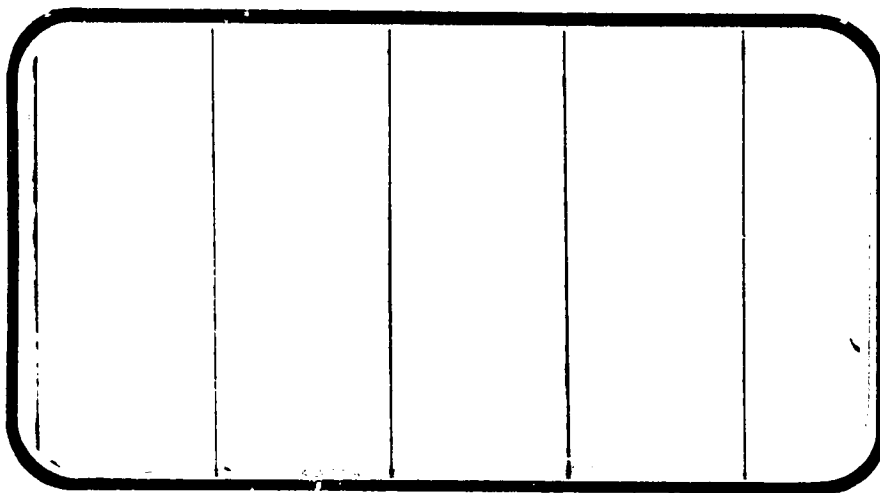




NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

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(NASA-CR-141803) AN INVESTIGATION IN THE
NASA MSFC 14-INCH TRANSONIC WIND TUNNEL TO
DETERMINE THE PRESSURE DISTRIBUTION OVER THE
COMPONENTS OF A 0.004 SCALE VERSION OF THE
ROCKWELL MCB 0074 BASELINE SHUTTLE ASCENT

N76-11224

Unclas
G3/18 04149

SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services

SPACE DIVISION



CHRYSLER
CORPORATION

September, 1975

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VOLUME 2 OF 3

AN INVESTIGATION IN THE NASA MSFC 14-INCH
TRISONIC WIND TUNNEL TO DETERMINE THE PRESSURE
DISTRIBUTION OVER THE COMPONENTS OF A
0.004 SCALE VERSION OF THE ROCKWELL MCR 0074
BASELINE SHUTTLE ASCENT CONFIGURATION
(IA32F)

by

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Prepared under NASA Contract Number NAS9-13247

by

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for

Engineering Analysis Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

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Test Number; MSFC TWT 567
NASA Series No.: IA32F
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AN INVESTIGATION IN THE NASA MSFC 14-INCH
TRISONIC WIND TUNNEL TO DETERMINE THE PRESSURE
DISTRIBUTION OVER THE COMPONENTS OF A 0.004 SCALE
VERSION OF THE ROCKWELL MCR 0074 BASELINE SHUTTLE
ASCENT CONFIGURATION (IA32F)

by

Paul E. Ramsey, NASA/MSFC

ABSTRACT

An aerodynamic investigation was conducted in the MSFC 14x14-inch Trisonic Wind Tunnel to determine the pressure distribution over the components of a .004 scale version of the Rockwell International MCR 0074 baseline Shuttle ascent configuration. Data were obtained for Mach numbers from 0.6 to 3.48, angles of attack from -10 to 10 degrees, and angles of sideslip from -10 to 10 degrees at zero angle of attack. Also, -4 and 4 degrees sideslip were run for an angle of attack of -5 and 5 degrees. The baseline geometric parameters were Orbiter/ET incidence of 0.5 degree, separation distance at aft tie point 0.14 inch, baseline SRM location ($\phi_s = 90^\circ$, $X_s = 0$), and ET ogive nose without retro rocket package. Control deflections were excluded from investigation. Data are presented in terms of pressure coefficient, C_p , as a function of longitudinal distance, X/L , at constant circumferential position, ϕ , and ϕ at constant X/L . Because of the large volume of data obtained, only typical plots are in this report. Volume 1 contains plotted ET pressure data; Volume 2 contains plotted SRM pressure data; and Volume 3 contains the appendix--the complete set of tabulated source data.

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	PHI BETA MACH ALPHA	(C)		865-1080
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PLOTTED COEFFICIENTS SCHEDULE

- (A) CP versus X/LT
- (B) CP versus PHI
- (C) CP versus X/LS

NOMENCLATURE

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
A_b		base area, in. ²
b_{ref}	BREF	lateral reference length, in.
c		theoretical chord length, in.
C_p	CP CONFIG	pressure coefficient, $\frac{P_l - P_\infty}{q}$ configuration code q
i_o	ORBINC	orbiter incidence angle relative to external tank, positive when tail down, deg.
l_{ref}	LREF	longitudinal reference length, in.
l_s	LS	length of SRM, in.
l_t	LT	length of external tank, in.
M_∞	MACH	freestream Mach number
P_l		local pressure measured on the test model, psi
P_∞	PSA	freestream static pressure, psi
P_T	PTA	freestream total pressure, psi
q	Q	dynamic pressure, psi
RN/l	RL	Reynolds number per unit length; million/ft
S_{ref}	SREF	reference area, in. ²
T		temperature, °F
X		longitudinal displacement along centerline measured from body nose, in.
X/c	X/C	longitudinal distance from theoretical wing leading edge ratioed to the theoretical chord
X/l_s	X/LS	longitudinal location measured from SRM nose ratioed to length of SRM

NOMENCLATURE (continued)

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
X/ ρ t	X/LT	longitudinal location measured from external tank nose ratioed to length of external tank
X _{C.G.} X _S	XM RP X-SRM	longitudinal moment reference point, in longitudinal location of SRM on external tank, zero for baseline, in
Y Y _{C.G.}	YM RP	lateral displacement from centerline lateral moment reference point, in
Z	DELTA Z	separation distance between external tank top and orbiter bottom, measured at the aft tie point, in
Z _{C.G.}	ZM RP	vertical moment reference point, in
α	ALPHA	angle of attack, deg.
β	BETA	angle of sideslip, deg.
Γ	DIHDRL	dihedral angle, deg.
δ_a	AILRON	aileron deflection angle, deg.
δ_e	ELEVTR	elevator deflection angle, deg.
δ_r	RUDDER	rudder deflection angle, deg.
η		spanwise location measured from orbiter body centerline ratioed to half span
ϕ	PHI	circumferential location of pressure orifice, deg.
ϕ_s		circumferential location of SRM relative to top of external tank, deg.
ET		external tank
SRM or SRB		these two terms are used interchangeably to mean solid rocket booster

NOMENCLATURE (Concluded)

<u>SUBSCRIPTS</u>	<u>DEFINITION</u>
a	aileron
b	base
C.G.	center of gravity
e	elevator
l	local
o	orbiter
r	rudder
s	solid rocket motor
T	total conditions
t	external tank
w	wing
X	pressure orifice number, 1, 2, etc.
∞	free stream conditions
ref	reference conditions

CONFIGURATIONS INVESTIGATED

The launch configuration consisted of the double delta wing orbiter with one large external hydrogen-oxygen tank (ET) and two solid rocket boosters (SRM) mounted on the ET beneath the orbiter wing (see Figure 1).

Configuration component nomenclature was as follows:

O ₃ (B ₁₀ C ₅ D ₇ F ₄ M ₃ W ₈₇ E ₁₈ V ₅ R ₅)	Rockwell MCR 0074 baseline orbiter
T ₉	324-inch diameter baseline external tank with ogive nose cone.
S _{3/2}	142-inch diameter solid rocket motor (one) with 18° nose cone.
U ₅	Aft orbiter and SRM attach structure.

The combinations of components were defined relative to the component on which the data were obtained as follows:

COMPONENTS	DESCRIPTION
<u>Orbiter Data</u>	
(O ₃)/(T ₉)/(S _{3/2})/(S _{3/2})	Orbiter in presence of ET and two SRM's.
(O ₃)/(T ₉)(U ₅)/(S _{3/2})/(S _{3/2})	Orbiter in presence of ET, two SRM's and attach structure.
<u>External Tank Data</u>	
(T ₉)/(S _{3/2})/(S _{3/2})/(O ₃)	ET in presence of two SRM's and orbiter.
(T ₉)(U ₅)/(S _{3/2})/(S _{3/2})/(O ₃)	ET in presence of two SRM's, orbiter, and attach structure.

COMPONENTS

DESCRIPTION

SRB Data

(S_{3/2})/(O₃)/(T₉)/(S_{3/2})

SRM in presence of ET, one SRM, and orbiter.

(S_{3/2})/(O₃)/(T₉)(U₅)/(S_{3/2})

SRM in presence of ET, one SRM, orbiter, and attach structure.

Details of the individual components are given in Table III entitled Model Dimensional Data.

TEST FACILITY DESCRIPTION

The Marshall Space Flight Center 14" x 14" Trisonic Wind Tunnel is an intermittent blowdown tunnel which operates by high pressure air flowing from storage to either vacuum or atmospheric conditions. A Mach number range from .2 to 5.85 is covered by utilizing two interchangeable test sections. The transonic section permits testing at Mach 0.20 through 2.50, and the supersonic section permits testing at Mach 2.74 through 5.85. Mach numbers between .2 and .9 are obtained by using a controllable diffuser. The range from .95 to 1.3 is achieved through the use of plenum suction and perforated walls. Mach numbers of 1.46, 1.96, and 2.50 are produced by interchangeable sets of fixed contour nozzle blocks. Above Mach 2.50 a set of fixed contour nozzle blocks are tilted and translated automatically to produce any desired Mach number in .25 increments.

Air is supplied to a 6000 cubic foot storage tank at approximately -40°F dew point and 500 psi. The compressor is a three-stage reciprocating unit driven by a 1500 hp motor.

The tunnel flow is established and controlled with a servo-actuated gate valve. The controlled air flows through the valve diffuser into the stilling chamber and heat exchanger where the air temperature can be controlled from ambient to approximately 180°F. The air then passes through the test section which contains the nozzle blocks and test region.

Downstream of the test section is a hydraulically controlled pitch sector that provides a total angle of attack range of 20° ($\pm 10^{\circ}$). Sting offsets are available for obtaining various maximum angles of attack up to 25° .

The diffuser section has movable floor and ceiling panels which are the primary means of controlling the subsonic Mach numbers and permit more efficient running supersonically. The sector assembly and supersonic diffuser telescope into the subsonic diffuser to allow easy access to the model and test section.

Tunnel flow is exhausted through an acoustically damped tower to atmosphere or into the vacuum field of 42,000 cubic feet. The vacuum tanks are evacuated by vacuum pumps driven by a total of 500 hp.

Data are recorded by a solid-state digital data acquisition system. The digital data are transferred to punched cards during the run to be reduced later by a computer to proper coefficient form.

MODEL DESCRIPTION

The model was 0.004 scale and was comprised of three basic geometric components: (1) the external fuel tank; (2) two solid rocket motors (SRM's); and (3) the orbiter configuration. The orbiter and SRM's were fastened to the external tank, which was sting supported. The orbiter and SRM's were fixed with respect to the ET in the axial and radial locations depicted in Figure 1. Only the baseline configuration was tested; i.e., orbiter incidence was 0.5° , orbiter/ET separation at the aft point was 0.14 inch, SRB radial location was 90° , and SRM longitudinal position was 1.732" aft of ET nose. No control surfaces were deflected during this test.

The orbiter consisted of a stainless steel body obtained from the Rockwell force model which was fitted with a pressure instrumented aluminum wing. This wing contained 40 pressure taps, 19 on the top surface of the left wing, 19 on the bottom surface of the right wing, and 2 on the left wing leading edge. The location of each orbiter pressure orifice and the numbering system are presented in Figure 2. The 0.032-inch O.D., annealed stainless steel pressure tubing was routed out the base of the model and along the exterior of the ET sting.

The SRM's and ET were constructed of stainless steel and contained 222 orifices (111 each) and 195 orifices, respectively. Stainless steel, annealed, 0.032-inch O.D. pressure tubing was routed out the base of the SRM's on the outside of the ET sting while the ET tubing was routed out

through the sting. Tubing of 0.050" O.D. was brazed onto the 0.032-inch O.D. tubing as close to the models as possible and routed down the sector, through the tunnel floor, and out the side of the tunnel. At this point, tygon tubing was used to connect the steel tubing to ten 48 port scani-valve heads.

The pressure tap locations on each model component are shown in Figures 2-4. The launch vehicle SRM's and external tank were manufactured at MSFC (Model #450 Assembly) per MSFC drawings 80M51305, 80M51311, 80M51312, and 80M51313. The orbiter was manufactured at Lockheed-Huntsville. The MCR 0074 baseline configuration was defined by Rockwell International drawings VL70-000089B, VL77-000012, VL72-000061B, and VL78-000018.

Instrumentation:

The model instrumentation consisted of strain gages located on the sting for measuring sting deflections and the transducers required for the 457 pressure measurements.

The wing pressure taps were numbered chordwise on the top of the left wing, starting at the front at the inboard chord location and moving toward the wing tip. The right wing was numbered similarly except on the bottom of the wing. This is shown in Figure 2.

Since the ET is symmetrical, only the left side was instrumented with pressure taps. These were numbered axially from front to back at each circumferential location, beginning with A and proceeding through K.

The SRM's were numbered similarly except that half of the pressure instrumentation was located on the left SRM and the remainder on the right. This setup was required to obtain a distribution completely around the SRM because of the asymmetrical pressure distributions caused by the presence of the ET and the physical limitations of getting all the required tubing in one SRM. Hence, the orifice axial rows are numbered A through H on the left SRM and then picked up on the right SRM with I through P as if continued on the left SRM.

Test Procedures:

The ET was supported on an integral straight sting which was mounted in a 5-degree offset. This offset was rolled to $\pm 90^\circ$ to obtain polars at constant -5° or 5° angle of attack. To obtain the pitch polars of $\pm 10^\circ$, a short "dogleg" sting was used behind the 5° offset to provide zero sting offset. This procedure allowed changing the sting offset easily without disconnecting the model pressure tubing. The sting and model setup is shown in Figure 5.

It should be noted that force data obtained during MSFC TWT 570 (Ref. 4) indicates a substantial ET sting effect on the SRM forces and moments. Because of this fact, the pressure data on the aft portion of the SRM's may contain sting interference effects and should, therefore, be used with caution. Additional force tests are planned to obtain connection factors which can be used with the integrated pressure data to eliminate this problem.

DATA REDUCTION

The pressure data were reduced to nondimensional coefficient form using the following equation:

$$C_{pX} = (P_X - P_\infty)/q$$

where X indicates the pressure orifice number.

Model reference dimensions were:

PARAMETER	FULL SCALE	MODEL SCALE
S _{ref} , Reference area	2690 ft. ²	6.198 in. ²
l _{ref} , Reference length (Orbiter body length)	1328 in.	5.313 in.
b _{ref} , Reference span	1328 in.	5.313 in.

Moment reference point
(measured from ET nose and
as a reference. Cor-
responds to longitudinal
position of Orbiter nose
on ET ζ .)

ORBITER

X _{MRP} (at orbiter nose)	635 in.	2.549 in.
Y _{MRP} (on ET & Orb. ζ)	0	0
Z _{MRP} (1.332 inches below Orbiter ζ on ET ζ)	333 in.	1.332 in.

ET

X _{MRP} (2.549 inches aft of ET nose)	635 in.	2.549 in.
Y _{MRP} (on ET ζ)	0	0
Z _{MRP} (on ET ζ)	0	0

PARAMETER	FULL SCALE	MODEL SCALE
SRM		
X _{MRP} (0.8017 inch aft SRM nose)	635 in.	2.549 in.
Y _{MRP} (0.972 inch to right of left SRM ϕ)	243 in.	0.972 in.
Z _{MRP} (on ET & SRM ϕ)	0	0

REFERENCES

1. Simon, Erwin, "The George C. Marshall Space Flight Center's 14 x 14 Inch Trisonic Wind Tunnel Handbook," NASA TMX-53185, December 22, 1964.
2. Lott, R. and Ramsey, P. "An Investigation of the Load Distribution Over The SRB and External Tank of a 0.004 Scale Model of the 049 Space Shuttle Launch Configuration," NASA CR-120,058 (DMS-DR-1255), March, 1973.
3. Ramsey, P., Buchholz, R., Allen, E. and Dehart, J., "Determination of the Aerodynamic Interference Between the Space Shuttle Orbiter, External Tank, and Solid Rocket Booster on a 0.004 Scale Ascent Configuration," NASA CR-120,060 (DMS-DR-2010), April, 1973.
4. Ramsey, P., Davis, T., "Triple Balance Test of PRR Baseline Space Shuttle Configuration on a .004 Scale Model of the MCR 0074 Orbiter Configuration in the MSFC 14 x 14 Inch Trisonic Wind Tunnel (TWT 570) [IA31F(B)]," NASA-CR-134,436 (DMS-DR-2028), December, 1974

TABLE I

[illegible]

TABLE II

TEST: MSFC 567				DATA SET RUN NUMBER COLLATION SUMMARY													DATE: May 24, 1973					
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES			NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)														
		α	β	α	β	γ		0.6	0.9	1.05	1.25	1.46	1.76	2.14	3.46							
R82XX*1	S3/2 T9 S3/2 Q3	10	0	0.5	14	90	11AC	12AI	13AI	14AI	15AI											
		-8	0	T	T	T	11BI	12BI	13BI	14BI	15BI	16BI	17BI	18BI								
		-5	0				11CI	12CI	13CI	14CI	15CI	16CI	17CI	18CI								
		-2	0				11EI	12EI	13EI	14EI	15EI	16EI	17EI	18EI								
		0	0				11FI	12FI	13FI	14FI	15FI	16FI	17FI	18FI								
		2	0				11GI	12GI	13GI	14GI	15GI	16GI	17GI	18GI								
		5	0				11II	12II	13II	14II	15II	16II	17II	18II								
		8	0				11JI	12JI	13JI	14JI	15JI	16JI	17JI	18JI								
		10	0	T	T	T	11KI	12KI	13KI	14KI	15KI											
R82XX*2	S3/2 T9 S3/2 Q3	0	10	0.5	14	90	21AI	22AI	23AI	24AI	25AI											
		0	-8				21BI	22BI	23BI	24BI	25BI	26BI	27BI	28BI								
		0	-4				21DI	22DI	23DI	24DI	25DI	26DI	27DI	28DI								
		0	0				11FI	12FI	13FI	14FI	15FI	16FI	17FI	18FI								
		0	4				21HI	22HI	23HI	24HI	25HI	26HI	27HI	28HI								
		0	8				21JI	22JI	23JI	24JI	25JI	26JI	27JI	28JI								
		0	10	T	T	T	21KI	22KI	23KI	24KI	25KI											
COEFFICIENTS							43	49	55	61	67	73	79	85	91	97						
SCHEDULES							13	19	25	31	37	43	49	55	61	67						
OR β							7	13	19	25	31	37	43	49	55	61						

* XX TC, external tank; SO, SRM Booster; UO, Orbiter upper wing; LO, Orbiter lower wing; SC, SRM cone; SS, SRM Schroud
 Datasets R82XX1, 2, 3, and 4 do not contain Orbiter data at M=2.99 and M=3.48. Datasets R82XX5 and 6 contain no Orbiter data.

TABLE II (Continued)

[illegible]

TABLE II (Concluded)

DATA SET/RUN NUMBER COLLATION SUMMARY										DATE May 24, 1973										
DATA SET IDENTIFIER		CONFIGURATION		SCHD.		CONTROL DEFLECTION			NO. OF RUNS		MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)									
				α	β	L_c	Z	θ	δ			0.6	0.9	1.05	1.25	1.46	1.96	2.99	3.98	
R82006		S3/2 T9.93/2 U503		0	-8	0.5°	.14	90%	0%			6181	6281	6381	6481	6581	6681	6781	6881	
				0	-4							61D1	62D1	63D1	64D1	65D1	66D1	67D1	68D1	
				0	0							51F1	52F1	53F1	54F1	55F1	56F1	57F1	58F1	
				0	4							61H1	62H1	63H1	64H1	65H1	66H1	67H1	68H1	
				0	8							61J1	62J1	63J1	64J1	65J1	66J1	67J1	68J1	
										</										

TABLE III
MODEL DIMENSIONAL DATA

MODEL COMPONENT: BODY - B10 Body

GENERAL DESCRIPTION: Fuselage, 2A Configuration, Lightweight Orbiter,
Per Rockwell Lines VL70-000089 "B"

Scale Model = 0.004

VL70-000089 "B"

DRAWING NUMBER: VL70-000092, 93, 94 "A"

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length in.	<u>1328.3</u>	<u>5.313</u>
Max. Width in. (@ $X_0 = 1528.3$)	<u>265.0</u>	<u>1.060</u>
Max. Depth in. (@ $X_0 = 1480.52$)	<u>248.0</u>	<u>0.992</u>
Fineness Ratio	<u>5.012</u>	<u>5.012</u>
Area ft^2		
Max. Cross-Sectional	<u>456.4</u>	<u>1.826</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III (Continued)

MODEL COMPONENT: BODY - Canopy - CS

GENERAL DESCRIPTION: 2A Configuration Per Lines

VL70-000092

Scale Model = 0.004

DRAWING NUMBER: VL70-000092

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (STA Fwd Bulkhead)	<u>391.0</u>	<u>1.564</u>
Max. Width (T. E. Bulkhead)	<u>560.0</u>	<u>2.240</u>
Max. Depth (WP Z = 421.922 to Z = 500)	<u> </u>	<u> </u>
Fineness Ratio	<u> </u>	<u> </u>
Area		
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III (Continued)

MODEL COMPONENT: BODY - Manipulator Housing D-7

GENERAL DESCRIPTION: 2A Configuration Per Rockwell Lines

VL70-000092

Scale Model = 0.004

DRAWING NUMBER: VL70-000093

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length in.	<u>881.00</u>	<u>3.524</u>
Max. Width in.	<u>51.00</u>	<u>0.204</u>
Max. Depth in.	<u>23.00</u>	<u>0.092</u>
Fineness Ratio	<u></u>	<u></u>
Area		
Max. Cross-Sectional	<u></u>	<u></u>
Planform	<u></u>	<u></u>
Wetted	<u></u>	<u></u>
Base	<u></u>	<u></u>
Fuselage	BP = 0.00	
	WP = 500.00 INFS	
	X.426.0 to 1307.0 INFS	

TABLE III (continued)

MODEL COMPONENT: BODY - F4 Body Flap

GENERAL DESCRIPTION: 2A Configuration Per Rockwell Lines VL70-000094A

Scale Model = 0.004

DRAWING NUMBER: VL70-000094A

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length	<u>84.70</u>	<u>0.339</u>
Max. Width	<u>265.00</u>	<u>1.060</u>
Max. Depth	<u> </u>	<u> </u>
Fineness Ratio	<u> </u>	<u> </u>
Area ft^2		
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u>142.64</u>	<u>0.571</u>
Wetted	<u> </u>	<u> </u>
Base ft^2	<u>38.65</u>	<u>0.0006</u>

TABLE III (Continued)

MODEL COMPONENT: BODY - OMS POD - M3

GENERAL DESCRIPTION: 2A Lightweight Configuration Per Rockwell Lines

VL70-000094A

Scale Model = 0.004

DRAWING NUMBER: VL70-000094A

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length	<u>346.0</u>	<u>1.384</u>
Max. Width $X_0 = 1450.0$	<u>108.0</u>	<u>0.432</u>
Max. Depth $X_0 = 1500.0$	<u>113.0</u>	<u>0.452</u>
Fineness Ratio	<u> </u>	<u> </u>
Area		
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

Ø OF FMS POD

WP = 463.9 INFS : WP 400 + 63.9 = 463.9

BP = 80.0 INFS

Length 1214.0 to 1560.0 = 346.0 INFS

TABLE III (Continued)

MODEL COMPONENT: Wing-W87 w. Lightweight OrbiterGENERAL DESCRIPTION: Orbiter Configuration Per Lines

Note: (Dihedral angle is defined at the lower surface of the wing at the 75.33% element line projected into a plane perpendicular to the VRI)

VL70-000093Scale Model = 0.004TEST NO.DWG. NO. VL70 -000093DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATAArea (Ineo.) Ft^2

Planform

Span (Theo) In.

Aspect Ratio

Rate of Taper

Taper Ratio

Dihedral angle, degrees

Incidence Angle, degrees

Aerodynamic Twist, degrees

Sweep Back Angles, degrees

Leading Edge

Trailing Edge

0.25 Element Line

Chords:

Rcot (Theo) 3.P.O.O.

Tip, (Theo) B.P.

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

EXPOSED DATAArea (Ineo.) Ft^2

Span, (Theo) In. BP108

Aspect Ratio

Taper Ratio

Chords

Root BP108

Tip $1.00 \frac{b}{2}$

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

Airfoil Section (Rockwell Mod NASA)
XXXX-64Root $\frac{b}{2} = 0.425$ Tip $\frac{b}{2} = 1.00$

Data for (1) of (2) Sides

Leading Edge Cuff

Planform Area Ft^2

Leading Edge Intersects Fus M. L. @ Sta

Leading Edge Intersects Wing Sta

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TABLE III (Continued)

MODEL COMPONENT: Elavon E-18GENERAL DESCRIPTION: 2A Configuration Per W-87Rockwell Lines VL70-000093Data for (1) of (2) SidesScale Model = 0.004DRAWING NUMBER: VL70-000093

<u>DIMENSIONS:</u>	<u>THEORETICAL</u>		<u>ACTUAL MEASURED</u>
	<u>FULL SCALE</u>	<u>MODEL SCALE</u>	<u>MODEL SCALE</u>
Area FT^2	<u>205.52</u>	<u> </u>	<u>0.003</u>
Span (equivalent) in.	<u>353.34</u>	<u> </u>	<u>1.413</u>
Inb'd equivalent chord	<u>114.78</u>	<u> </u>	<u>0.459</u>
Outb'd equivalent chord	<u>55.00</u>	<u> </u>	<u>0.220</u>
Ratio movable surface chord/ total surface chord			
At Inb'd equiv. chord	<u>.208</u>	<u> </u>	<u>.208</u>
At Outb'd equiv. chord	<u>.400</u>	<u> </u>	<u>.400</u>
Sweep Back Angles, degrees			
Leading Edge	<u>0.00</u>	<u> </u>	<u>0.00</u>
Tailing Edge	<u>-10.24</u>	<u> </u>	<u>-10.24</u>
Hingeline	<u>0.00</u>	<u> </u>	<u>0.00</u>
Area Moment	<u>1548.07</u>	<u> </u>	<u>0.0001</u>
(Normal to hinge line) FT^3			
Produce of Area Moment			

TABLE III (Continued)

MODEL COMPONENT: VERTICAL - V5 (Light Wt. Orbiter Configuration)GENERAL DESCRIPTION: Centerline Vertical Tail, Double WedgeAirfoil with Rounded Leading EdgeScale Model = 0.004DRAWING NUMBER:VL70-000095DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area (Theo) Ft^2	<u>413.25</u>	<u>0.007</u>
Planform		
Span (Theo) In	<u>315.72</u>	<u>1.263</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>.404</u>	<u>.404</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45.000</u>	<u>45.000</u>
Trailing Edge	<u>26.249</u>	<u>26.249</u>
0.25 Element Line	<u>41.130</u>	<u>41.130</u>
Chords:		
Root (Theo) WP	<u>268.50</u>	<u>1.074</u>
Tip (Theo) WP	<u>108.47</u>	<u>0.434</u>
MAC	<u>199.81</u>	<u>0.799</u>
Fus. Sta. of .25 MAC	<u>1463.50</u>	<u>5.854</u>
W. P. of .25 MAC	<u>635.522</u>	<u>2.542</u>
B. L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle Deg	<u>10.000</u>	<u>10.000</u>
Trailing Wedge Angle Deg	<u>14.920</u>	<u>14.920</u>
Leading Edge Radius ~in.	<u>2.00</u>	<u>0.008</u>
Void Area ~ Ft^2	<u>13.17</u>	<u>0.0002</u>
Blanketed Area ~ Ft^2	<u>12.67</u>	<u>0.0002</u>

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TABLE III (Continued)

MODEL COMPONENT: R5-Budder

GENERAL DESCRIPTION: 2A Configuration Per Rockwell Lines VL70-000095

Scale Model = 0.004

DRAWING NUMBER: VL70-000095

DIMENSIONS:

	<u>THEORETICAL</u>		<u>ACTUAL MEASURED</u>
	<u>FULL SCALE</u>	<u>MODEL SCALE</u>	<u>MODEL SCALE</u>
Area FT^2	<u>106.38</u>	<u> </u>	<u>0.0017</u>
Span (equivalent) in.	<u>201.0</u>	<u> </u>	<u>0.804</u>
Inb'd equivalent chord	<u>91.585</u>	<u> </u>	<u>0.366</u>
Outb'd equivalent chord	<u>50.833</u>	<u> </u>	<u>0.203</u>
Ratio movable surface chord/ total surface chord			
At Inb'd equiv. chord	<u>0.400</u>	<u> </u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u> </u>	<u>0.400</u>
Sweep Back Angles, degrees			
Leading Edge	<u>34.83</u>	<u> </u>	<u>34.83</u>
Tailing Edge	<u>26.25</u>	<u> </u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u> </u>	<u>34.83</u>
Area Moment	<u>526.13</u>	<u> </u>	<u>0.00003</u>
(Normal to hinge line) FT			
Produce to aera and mean chord			

TABLE III (Continued)

MODEL COMPONENT: BODY - External Tank T9

GENERAL DESCRIPTION: 2A Configuration Per Rockwell Lines VL78-000018 and
VL72-000061B: Body of Revolution, Without Retro Package

Scale Model = .004

DRAWING NUMBER: VL78-000018

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length, in.	<u>1989.00</u>	<u>7.956</u>
Max. Width (Dia), in.	<u>324.00</u>	<u>1.296</u>
Max. Depth	<u> </u>	<u> </u>
Fineness Ratio L/D	<u>6.13889</u>	<u>6.13889</u>
Area, Ft ²		
Max. Cross-Sectional	<u>572.55</u>	<u>0.009</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

REF.

FS (Orbiter) = 0.00 = TANK Station 751 INFS

WP (ET) = 400 - 344.413 = 55.587 INFS

BP (Orbiter) = 0.00 = 0.00 ET

TABLE III (Continued)

MODEL COMPONENT: BODY - S3 Booster Solid Rocket Motor

GENERAL DESCRIPTION: 2A Configuration Per Rockwell Lines VL77-000012 and

VL72-000061B

Body of Revolution, Data for (1) of (2) Sides

Scale Model = .004

DRAWING NUMBER: VL77-000012

Data for (1) of (2) Sides

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length, in. (including nozzle)	<u>1758.00</u>	<u>7.032</u>
Max. Width(Dia) in. BSRM Tank	<u>142.00</u>	<u>0.568</u>
Max. Depth (Dia) AFT Skirt	<u>259.00</u>	<u>1.036</u>
Fineness Ratio	<u>6.787</u>	<u>6.787</u>
Area, Ft ²		
Max. Cross-Sectional	<u>365.87</u>	<u>0.0059</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

REF.

FS (Orbiter) = 0.00 = 751 in. ET = 202.0 BSRM

WP (BSRM) = WP 400 (Orbiter) - 344.413 = 55.587 INFS

BP (Orbiter) = 0.00 = 243.0 BSRM

TABLE III (Continued)

MODEL COMPONENT: BODY - Aft Orbiter and SRB Attach Structure-U₅

GENERAL DESCRIPTION: 2A Configuration Per Rockwell Lines

VL72-000061B and VL78-000018

Scale Model = .004

DRAWING NUMBER:

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Orbiter Attach Station	<u>1307 in.</u>	<u>5.228 in.</u>
ET Attach Station	<u>2508 in.</u>	<u>8.232 in.</u>
SRB Attach Station	<u>1509 in.</u>	<u>6.036 in.</u>
Area		
Approx. Max. Frontal Area	<u>109 Ft.²</u>	<u>.25 in.²</u>
Planform		
wetted		
Base		

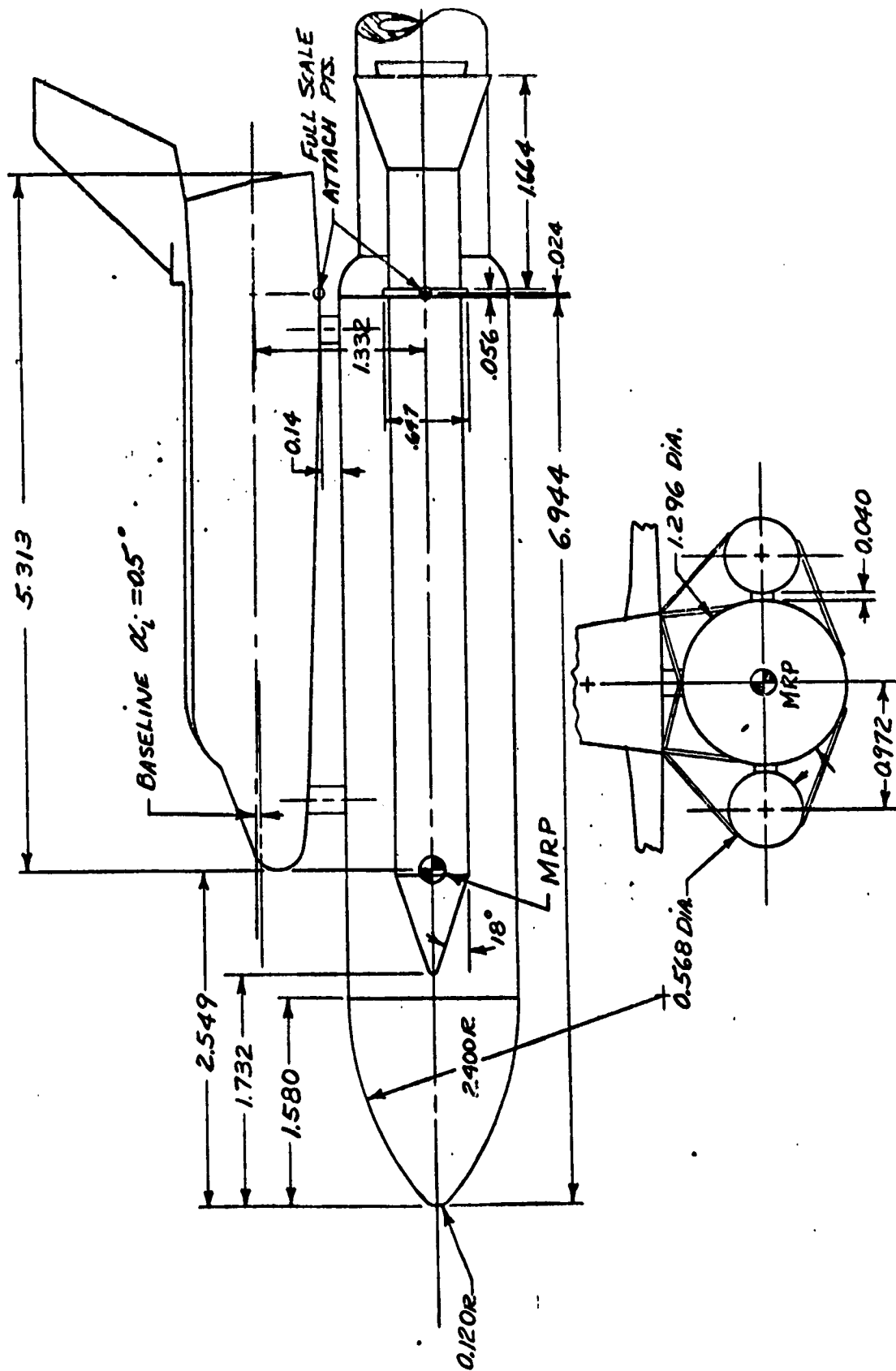


Figure 1. Major Dimensions of Model Components

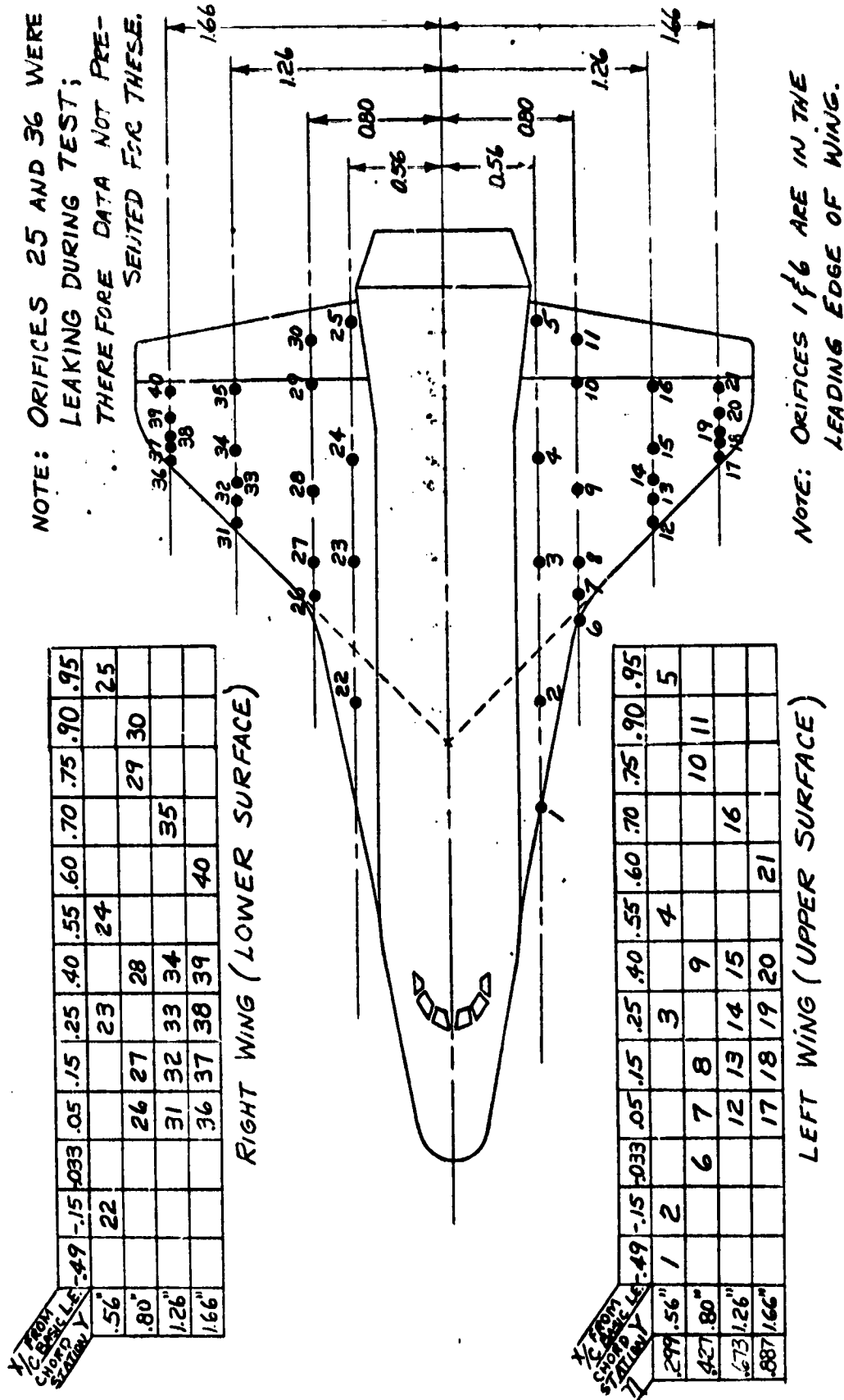


Figure 2. Orbiter Wing Pressure Orifice Locations and Numbering System

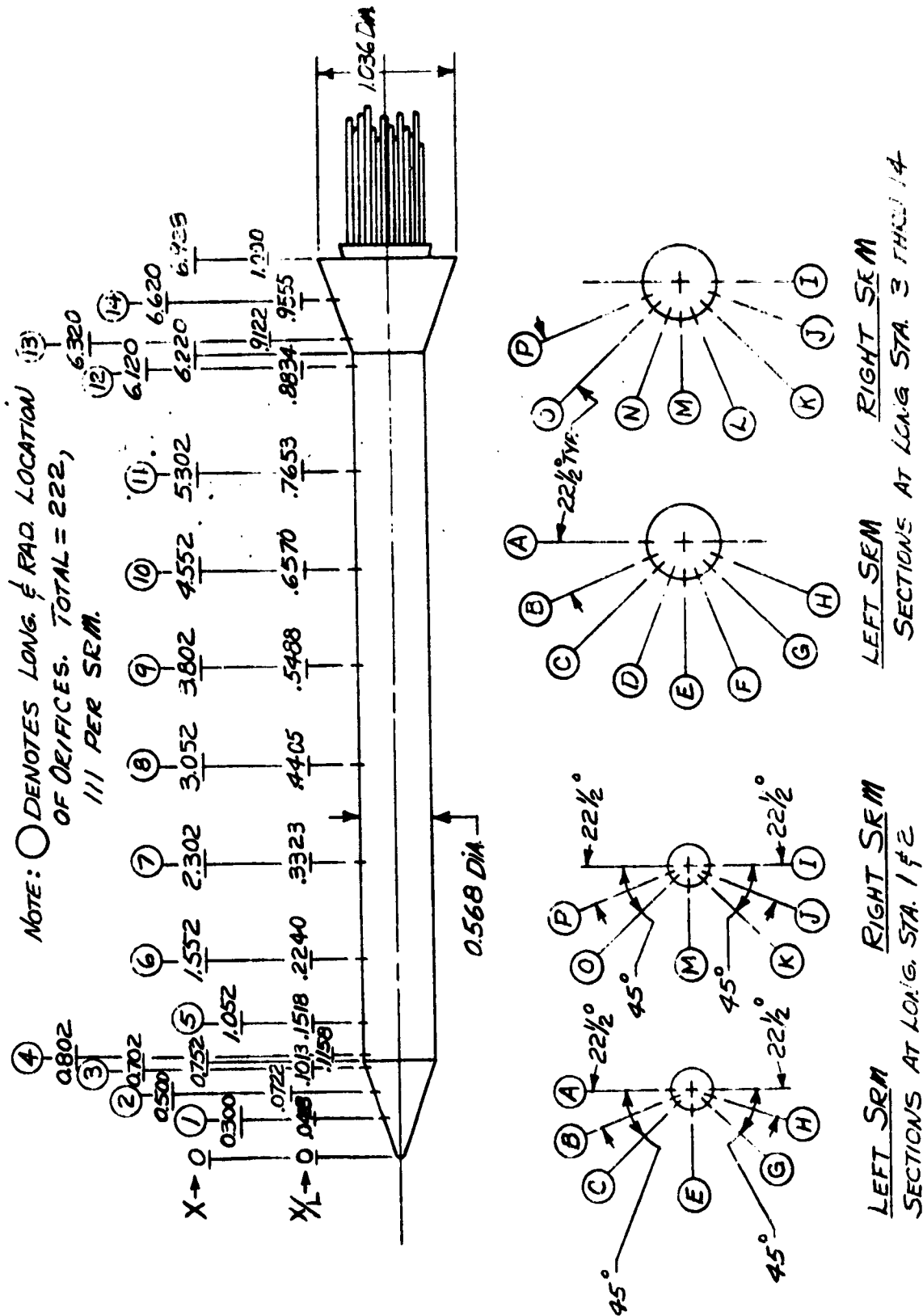


Figure 3. SRM Pressure Orifice Locations

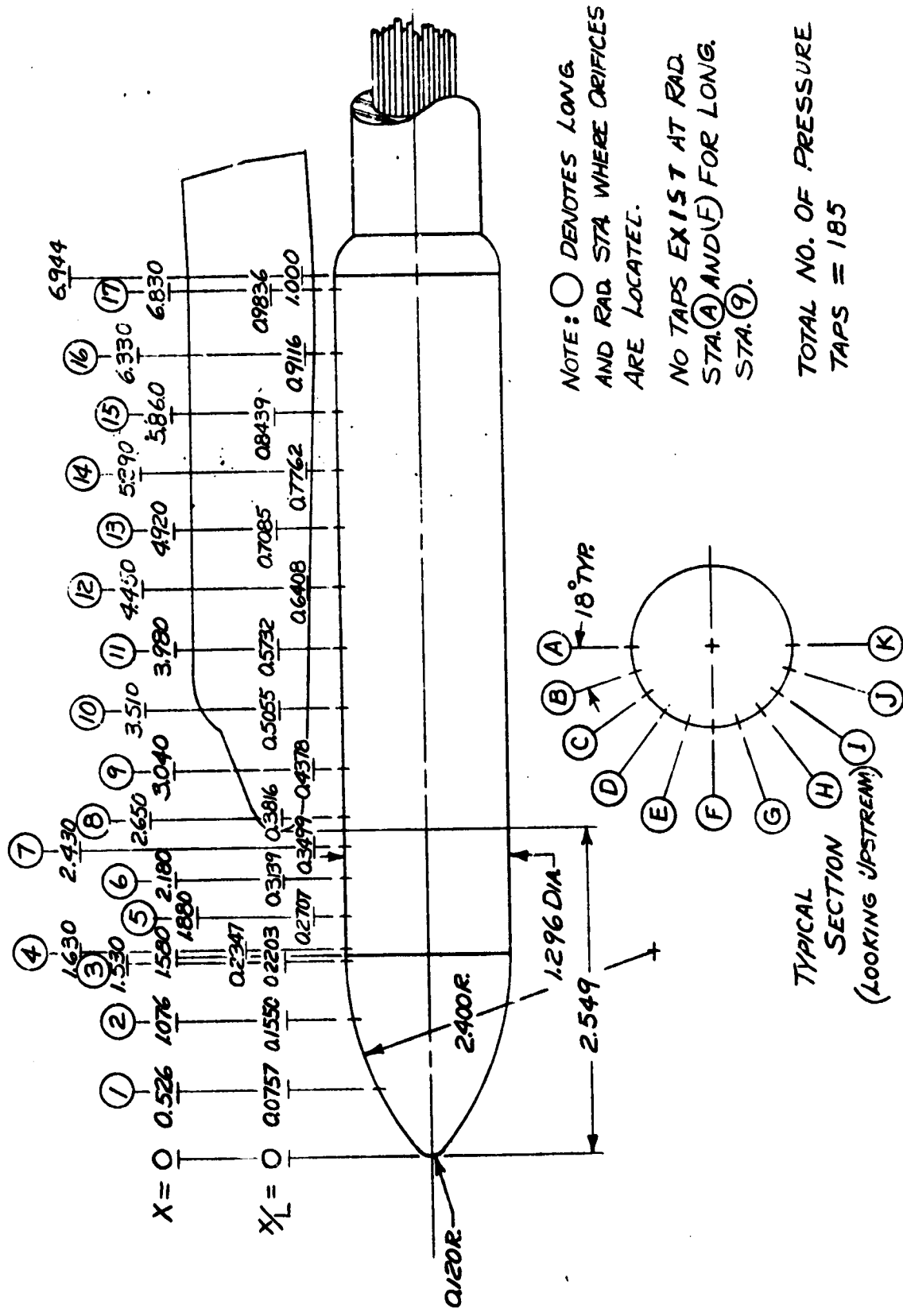


Figure 4. External Tank Pressure Orifice Locations

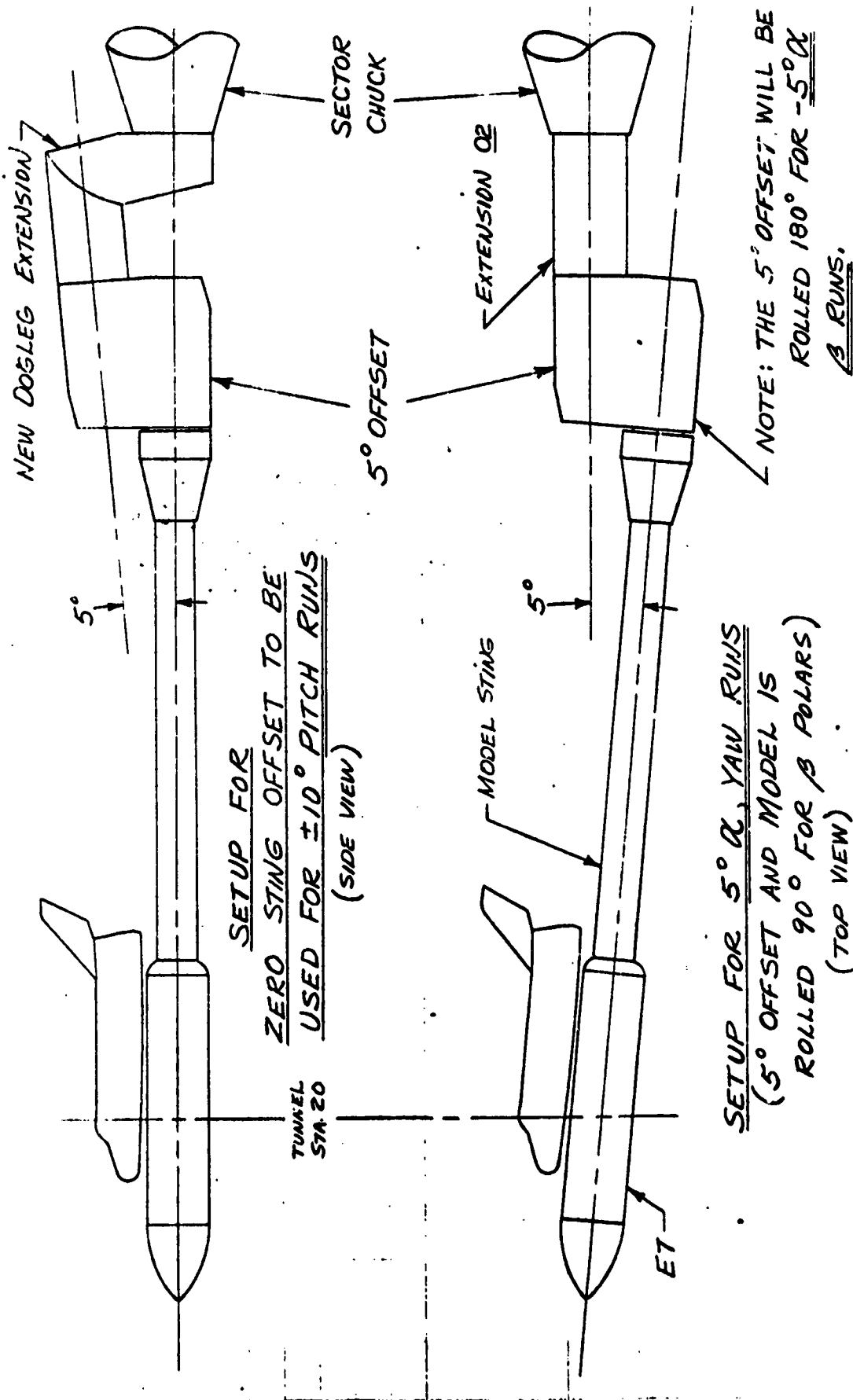


Figure 5. Sting and Model Configurations for Shuttle Launch Pressure Test

DATA FIGURES

Volume 1--ET (pgs. 1-792)

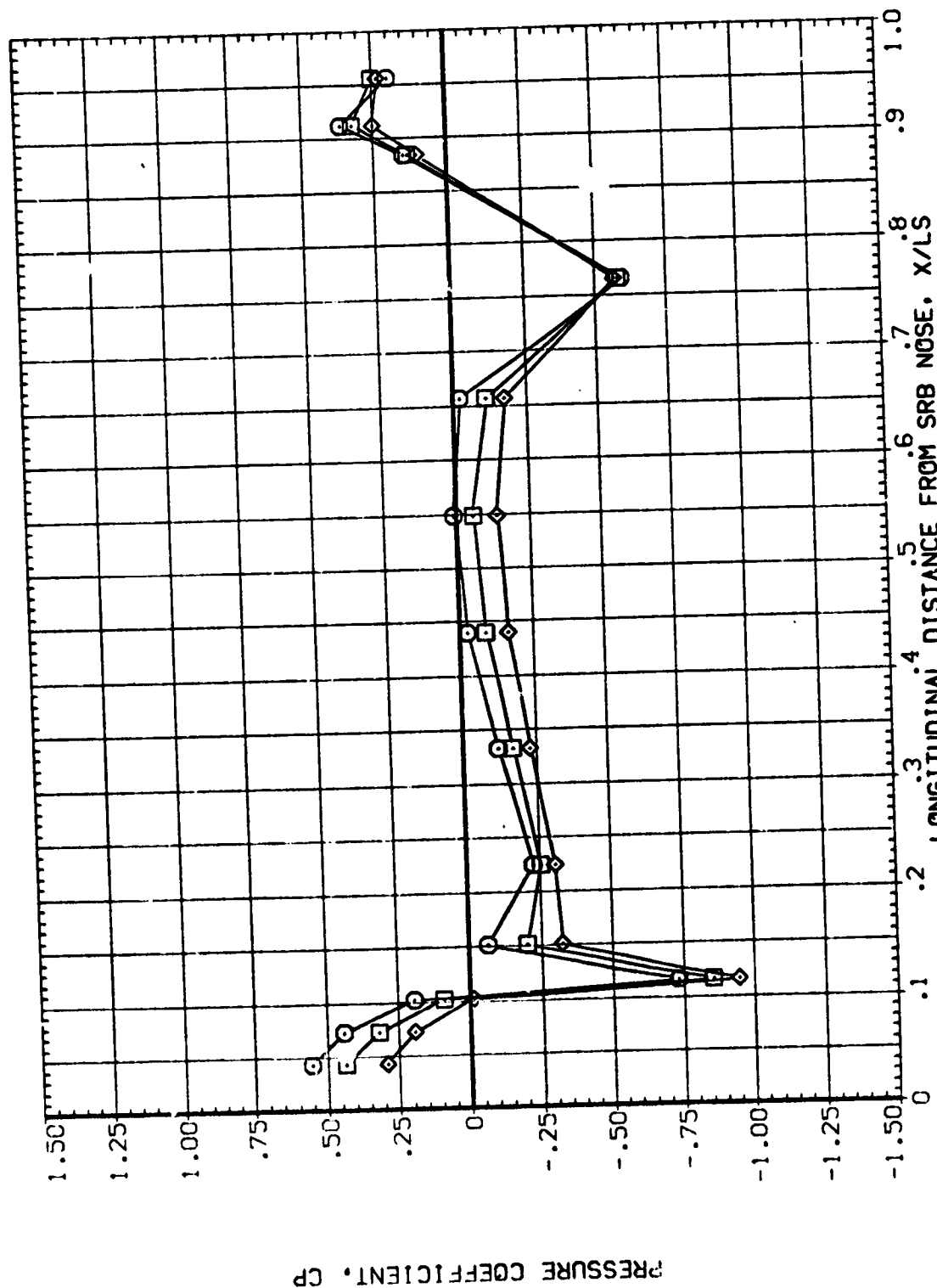
Volume 2--SRM (pgs. 793-1452)

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SRM BOOSTER (A82S01)

MSFC 507(IA32F) T9 S3/2 S3/2 03

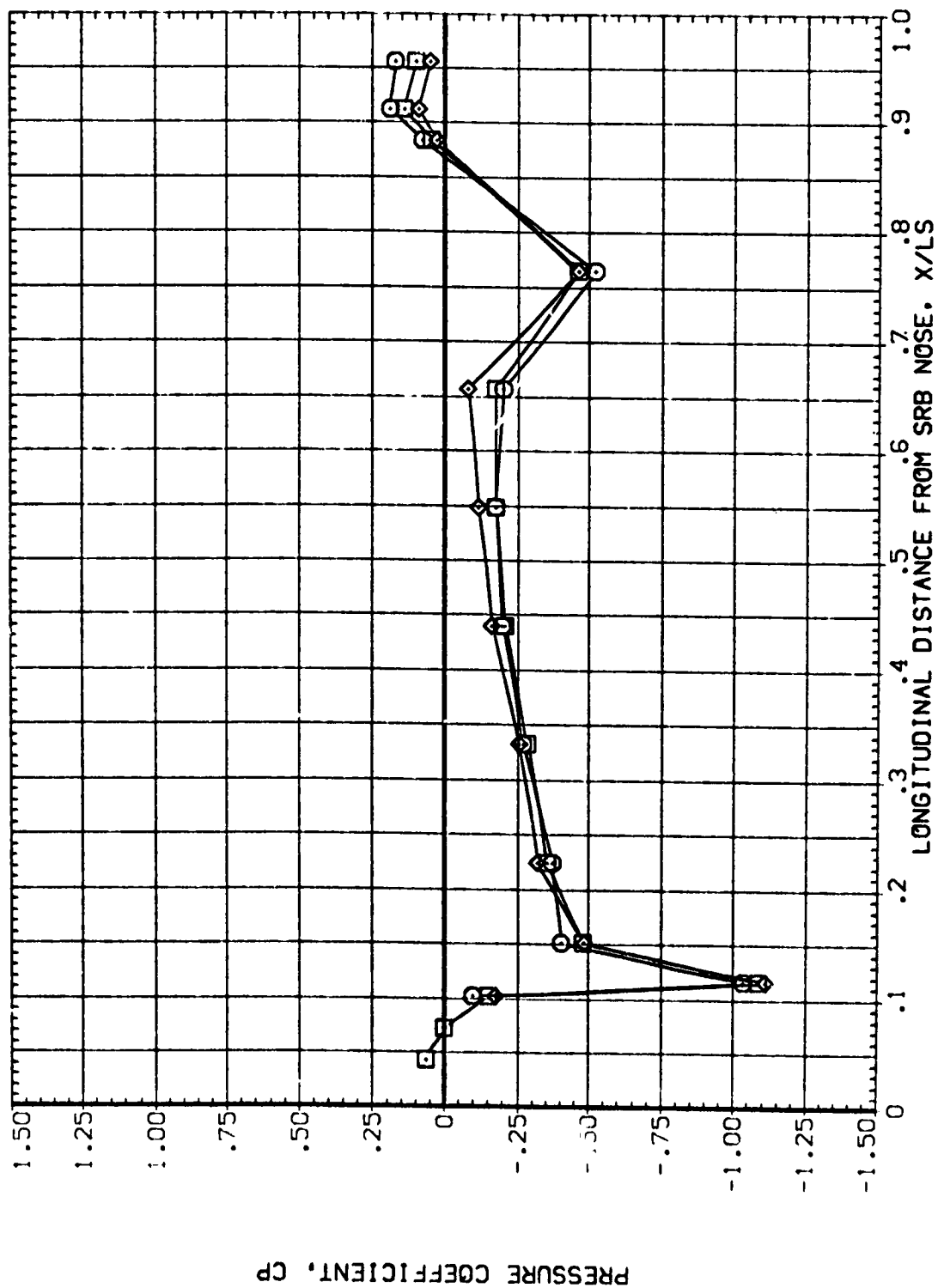
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○	22.500	-8.000	.900	5.198	5.313	5.313	2.549	.972	.000	.000	.000
□	45.000								.140	.000	.000
◇									.000	.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

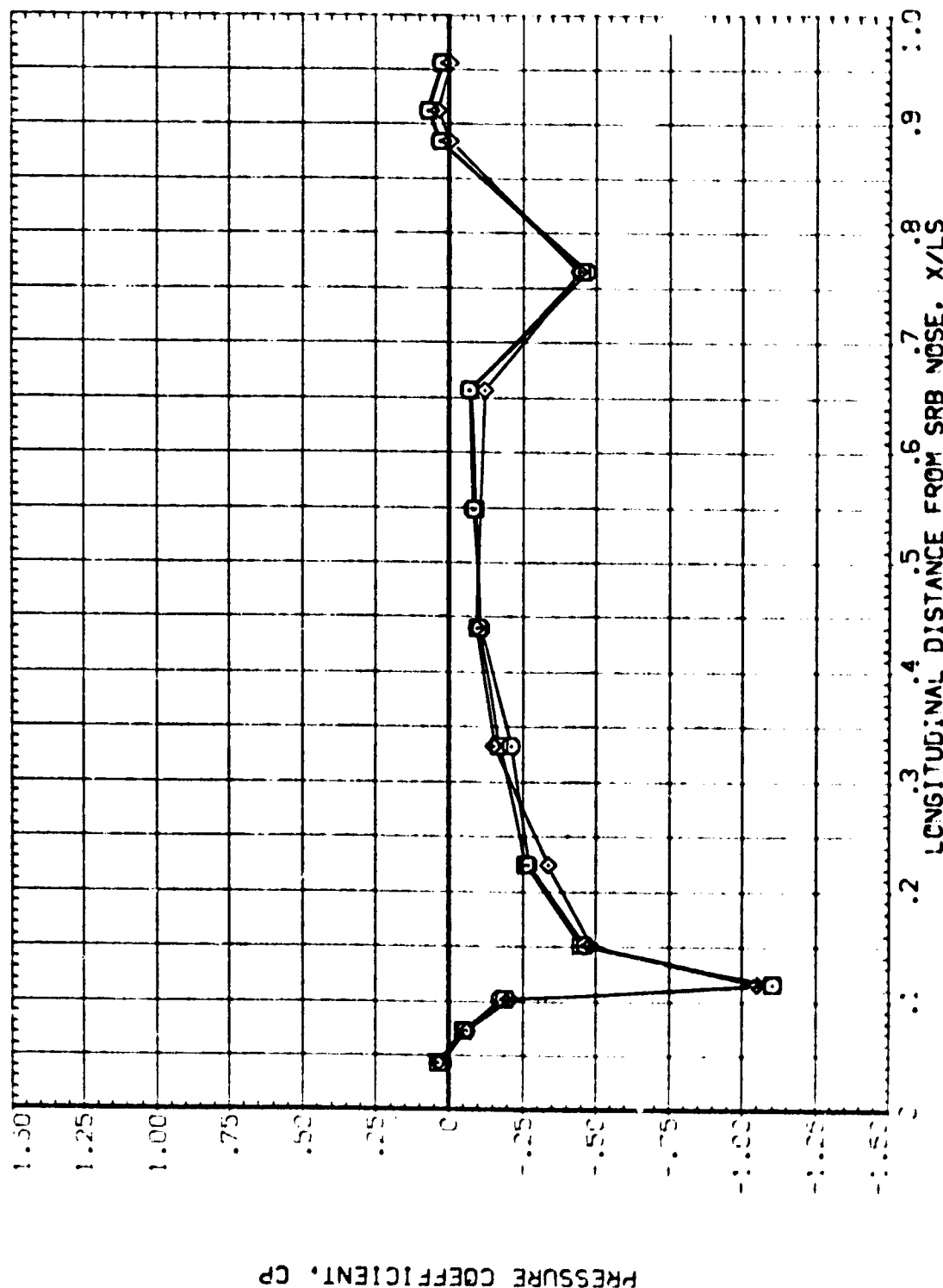
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				SREF	LREF	BREF	XMRP	BE'A	DELTAZ	CONFIG	RUDER
○	67.500	-8.000	.900	5.198	5.313	5.313	2.549	.000	.140	.000	.000
□	90.000										.500
◇	112.500										.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

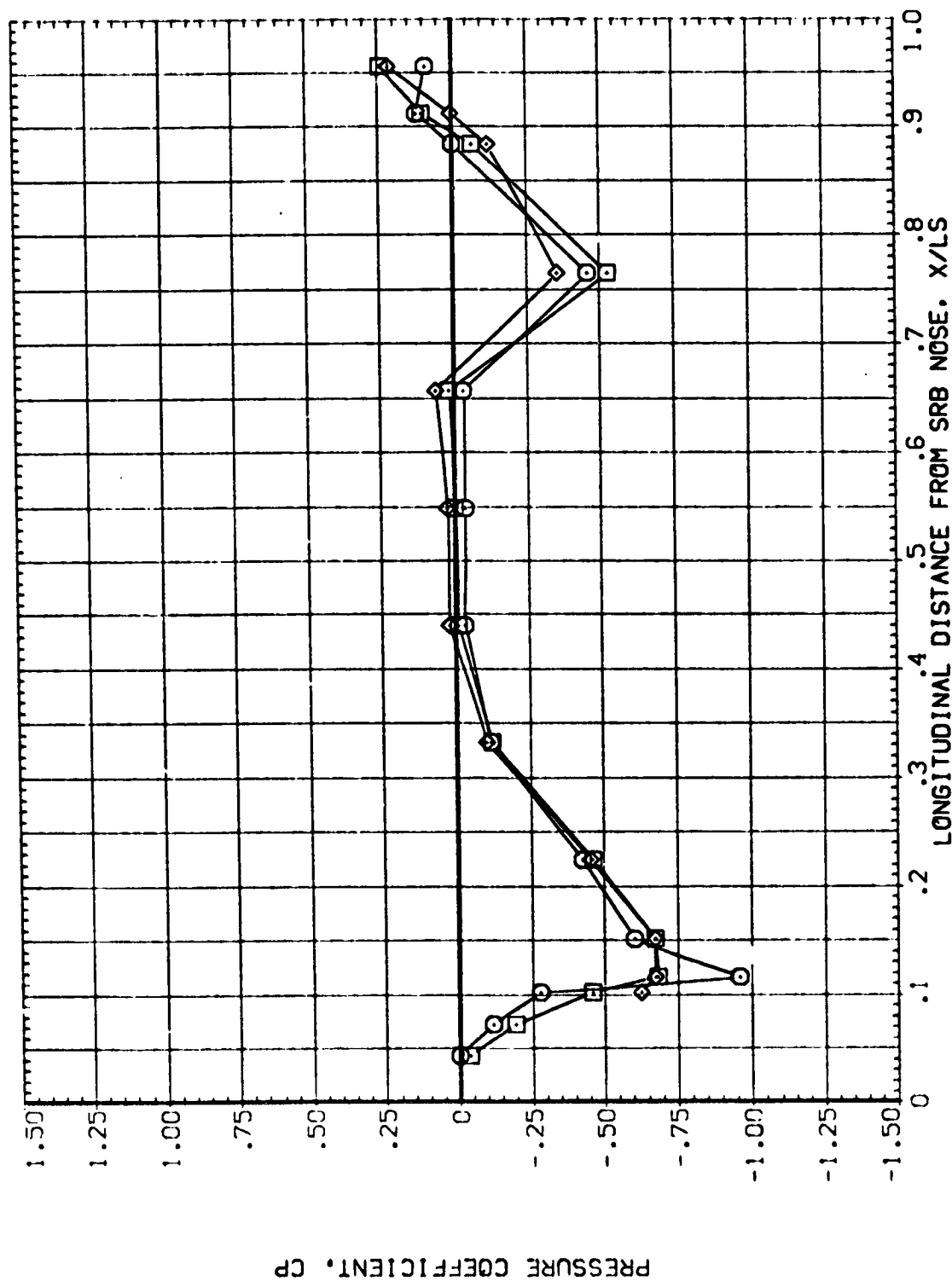
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				SREF	LREF	BREF	XMRRP	BETA DELTAZ X-SRB	.000 .140 .000	CONFIG RUDDER ORBINC	90.000 .000 .500
○	135.000	-8.000	.900	6.198	5.313	5.313	2.549				
□	157.500										
◇	140.000										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

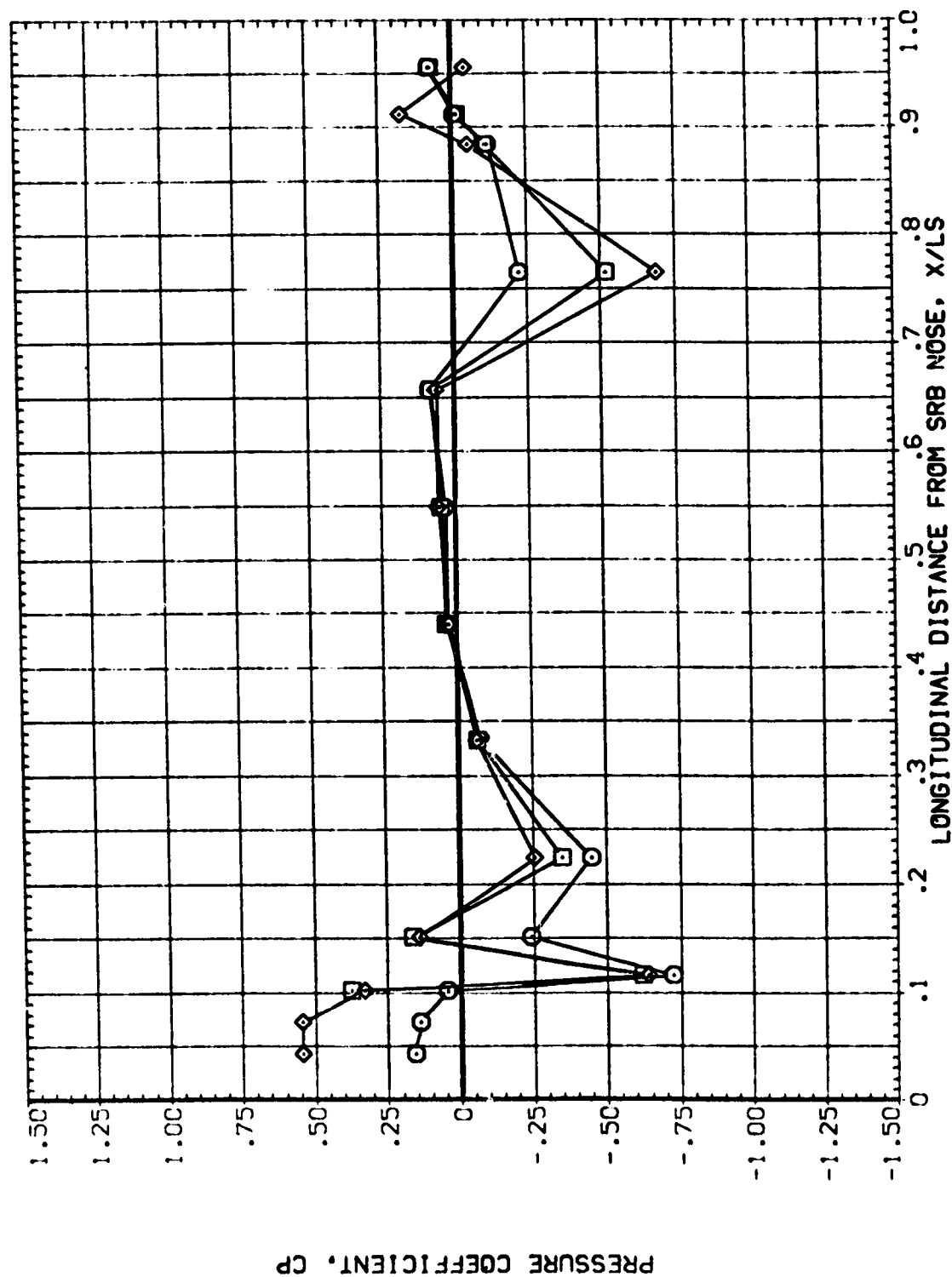
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				SREF	LREF	BREF	XMRP	YMRP	ZMRP	SO, IN.	BETA	CONF IG	RUDDER
○	202.500	-8.000	.900	6.198	5.313	5.313	2.549	.972	.000	90.000	.000	.000	.000
□	225.000										.140		.000
◇	247.500										X-SRB		.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

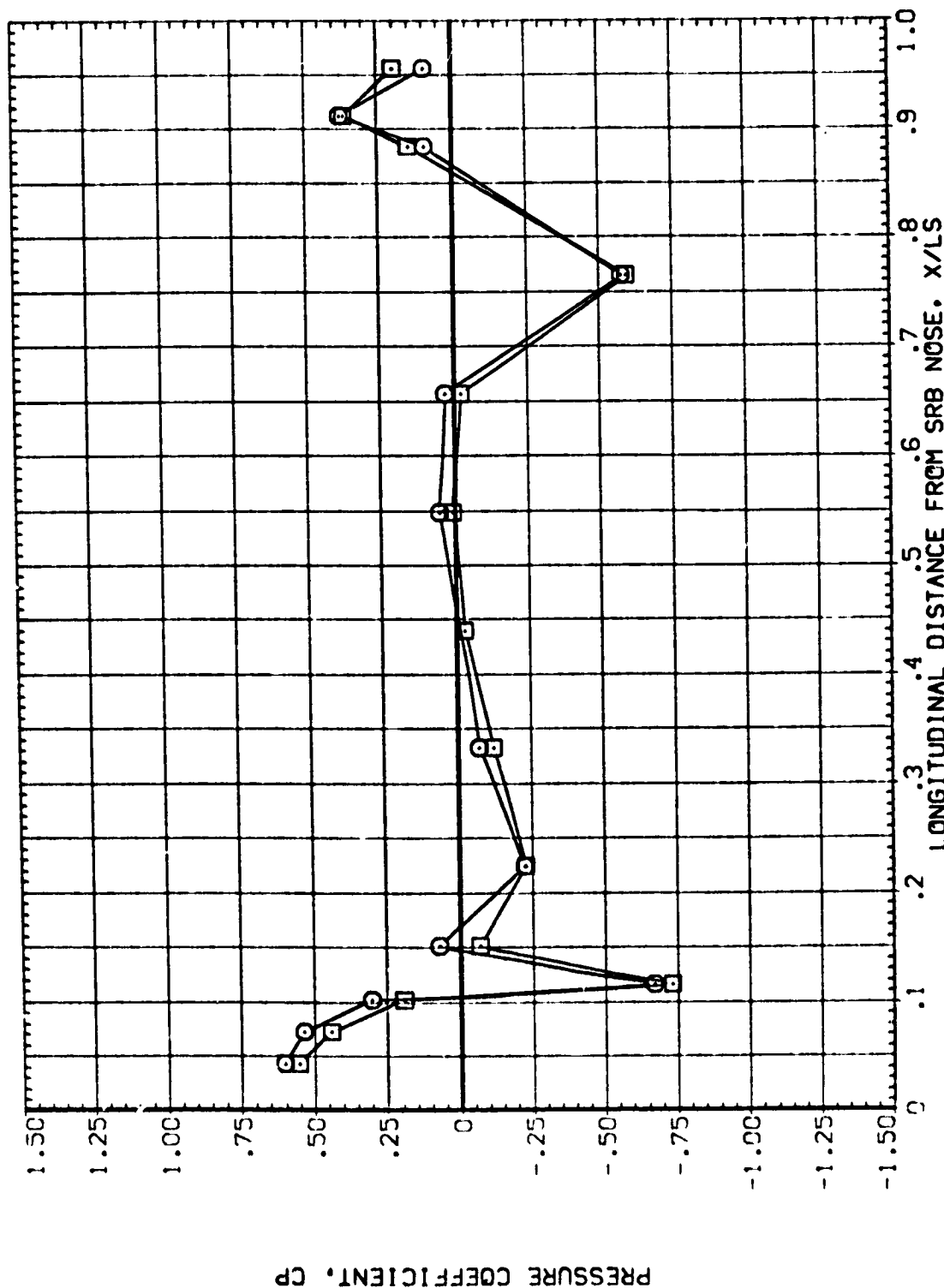
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○	270.000	-8.000	.900	6.198	5.314	5.313	2.549	DELTAZ	.000	.140	.000
□	292.500			XREF	YREF	ZREF		X-SRB	.000	.000	.500
◇	315.000										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	BETA	CONF IG	90.000	
○	337.500	-3.000	.900	LREF	5.313	DELTA Z	.000	RUDDER	.000
□	350.000			BREF	5.313	X-SRB	.000	ORBITING	.500
				XPRP	2.549				
				YPRP	.972				
				ZPRP	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

INSEC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

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MACH .900

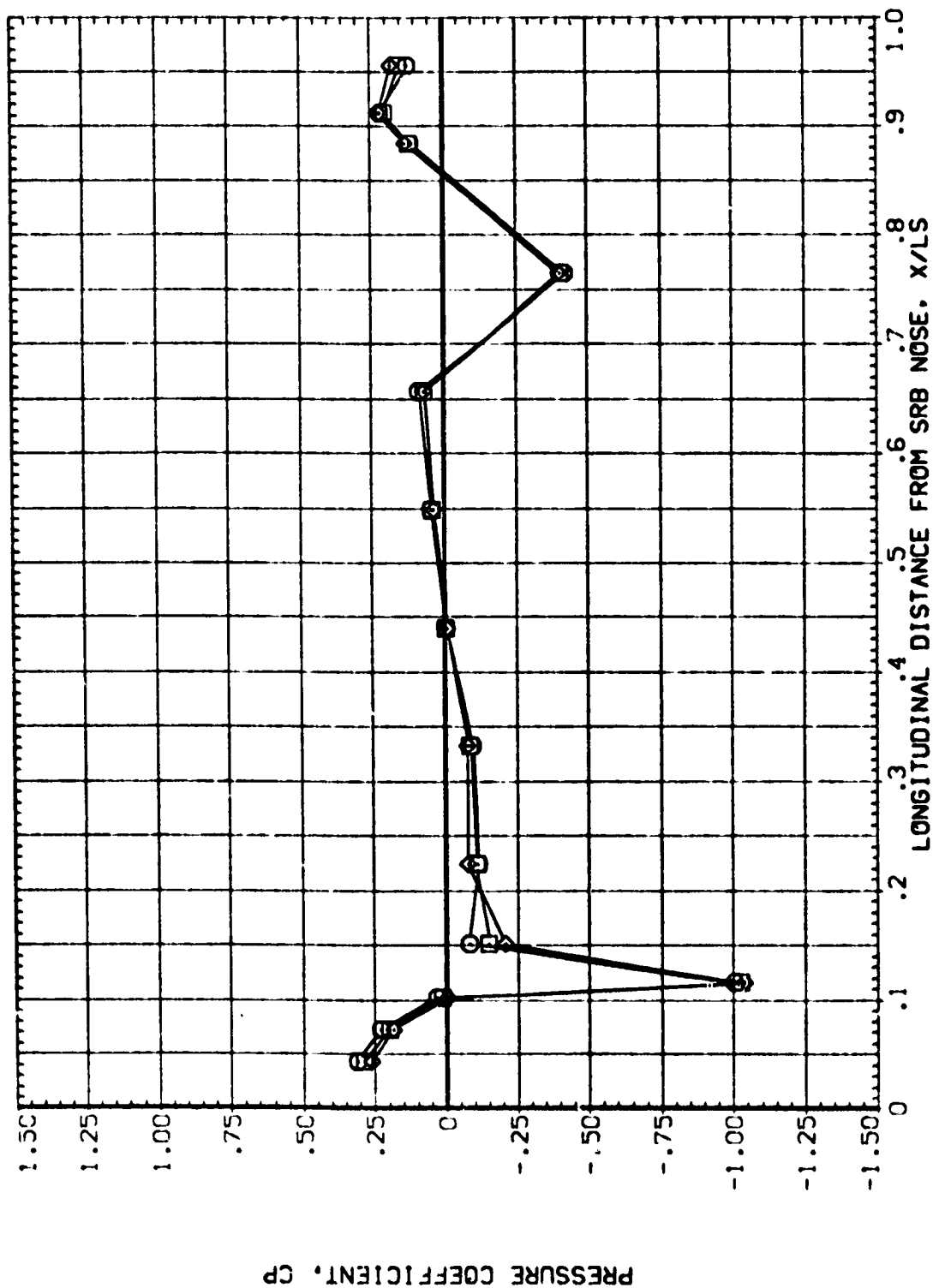
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SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.549
VMRP	.972
ZMRP	.000

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BETA
DELTA Z
X-SRB

PARAMETRIC VALUES	
.000	CONFIG
.140	RUDDER
.000	ORBIT

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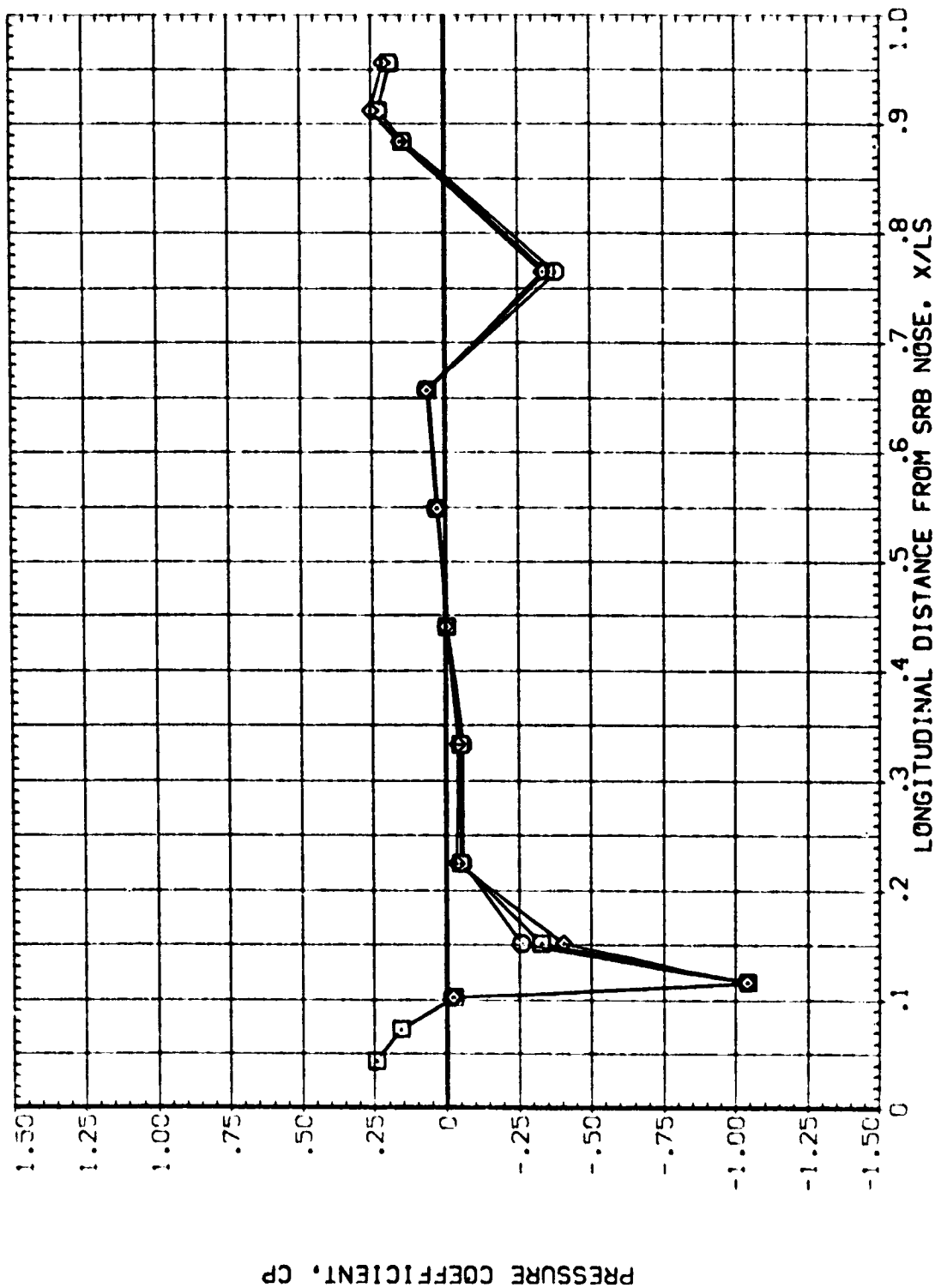


LONGITUDINAL DISTANCE FROM SRB NOSE. X/LS

19 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

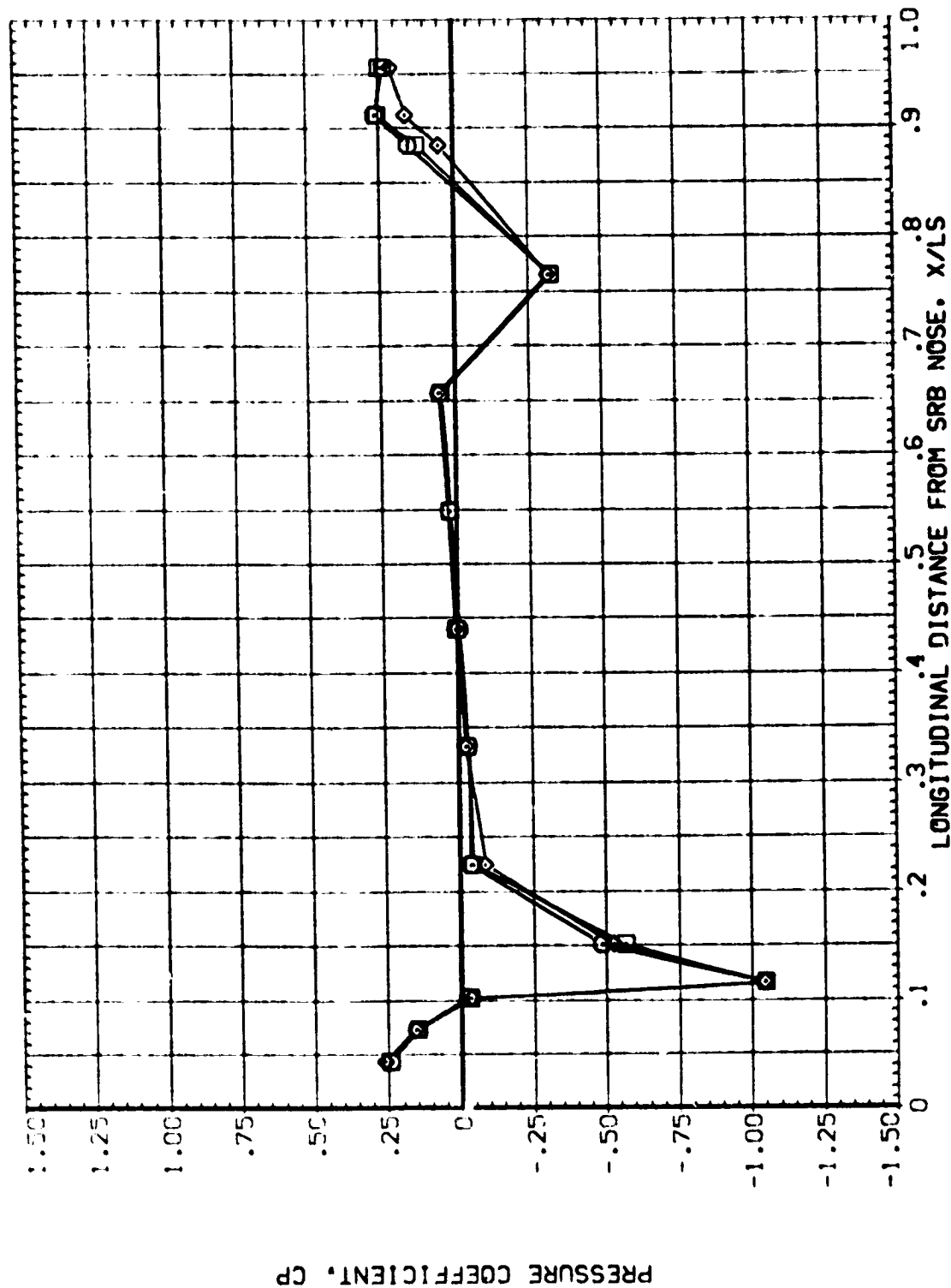
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□	90.000							X-SRB	.000	.000	.500
◇	112.500										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

SAMPLING ANGLE	PNT	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	BETA	CONFIG		
135.000		.000	.900	6.198	DELTAZ	.000	RUDER	.000
157.500				5.313	X-SRB	.140	DRBINC	.500
180.000				2.549		.000		
				.972				
				.000				

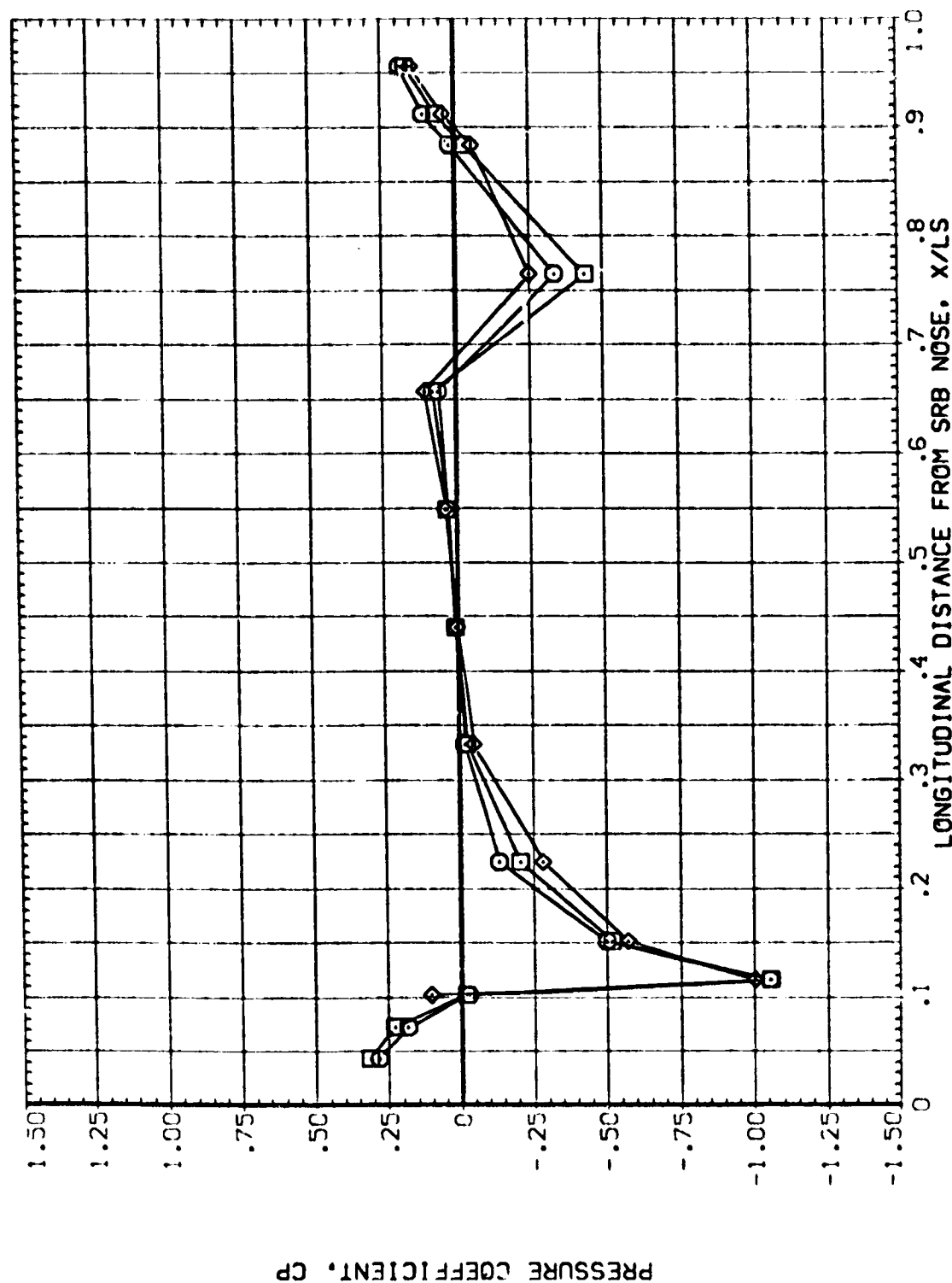


PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

SYMBOL	REFERENCE DATA		PARAMETRIC VALUES	
	PHI	MACH	BETA	CONFIG
○	202.500	.900	.000	.000
□	225.000	.900	.140	.000
◇	247.500	.900	.000	.500

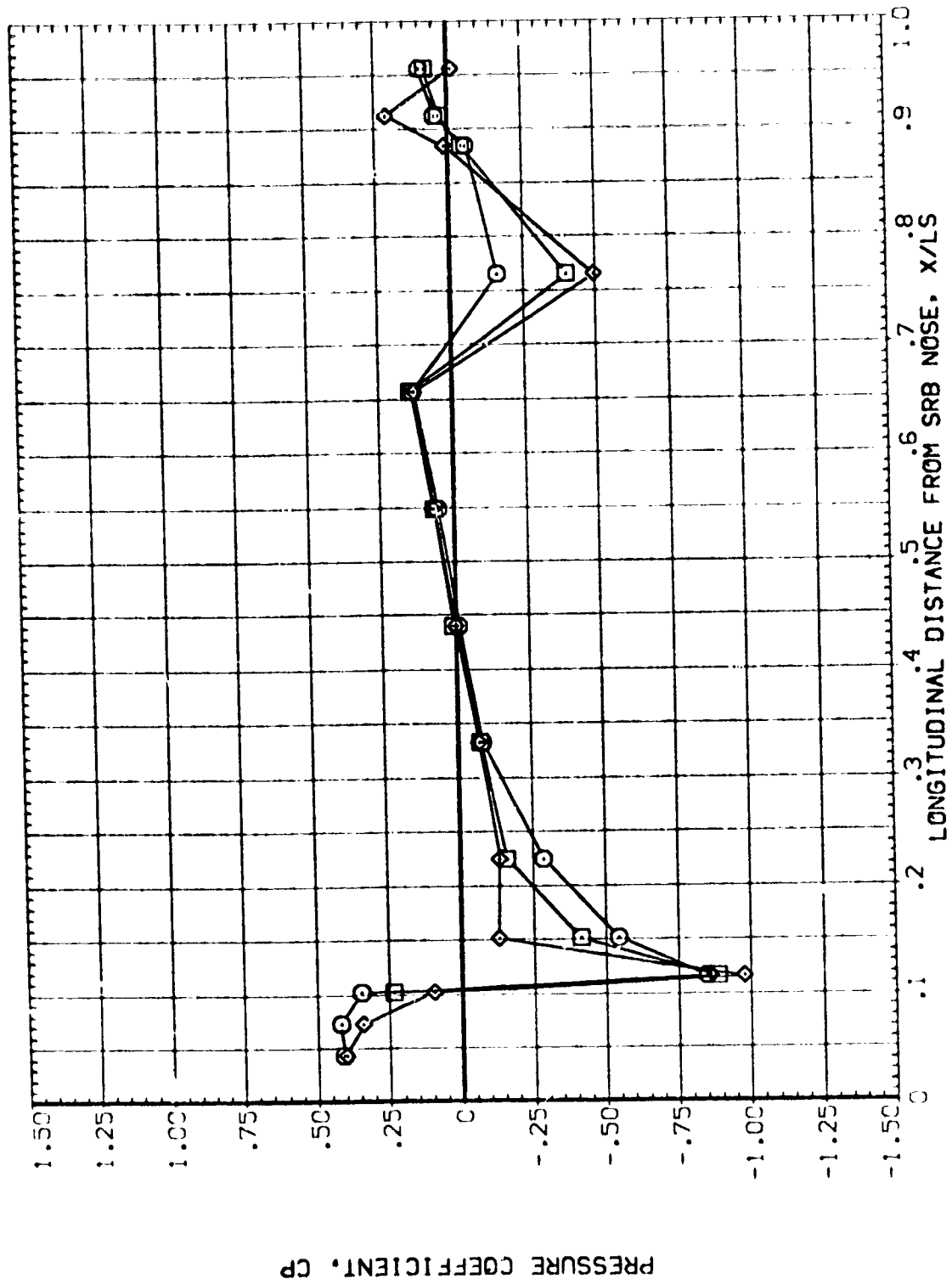
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SREF	5.198	SO IN.	DELTA Z
LREF	5.313	IN.	X-SRB
BREF	5.313	IN.	
XMRP	2.549	IN.	
YMRP	.972	IN.	
ZMRP	.000	IN.	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

NSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

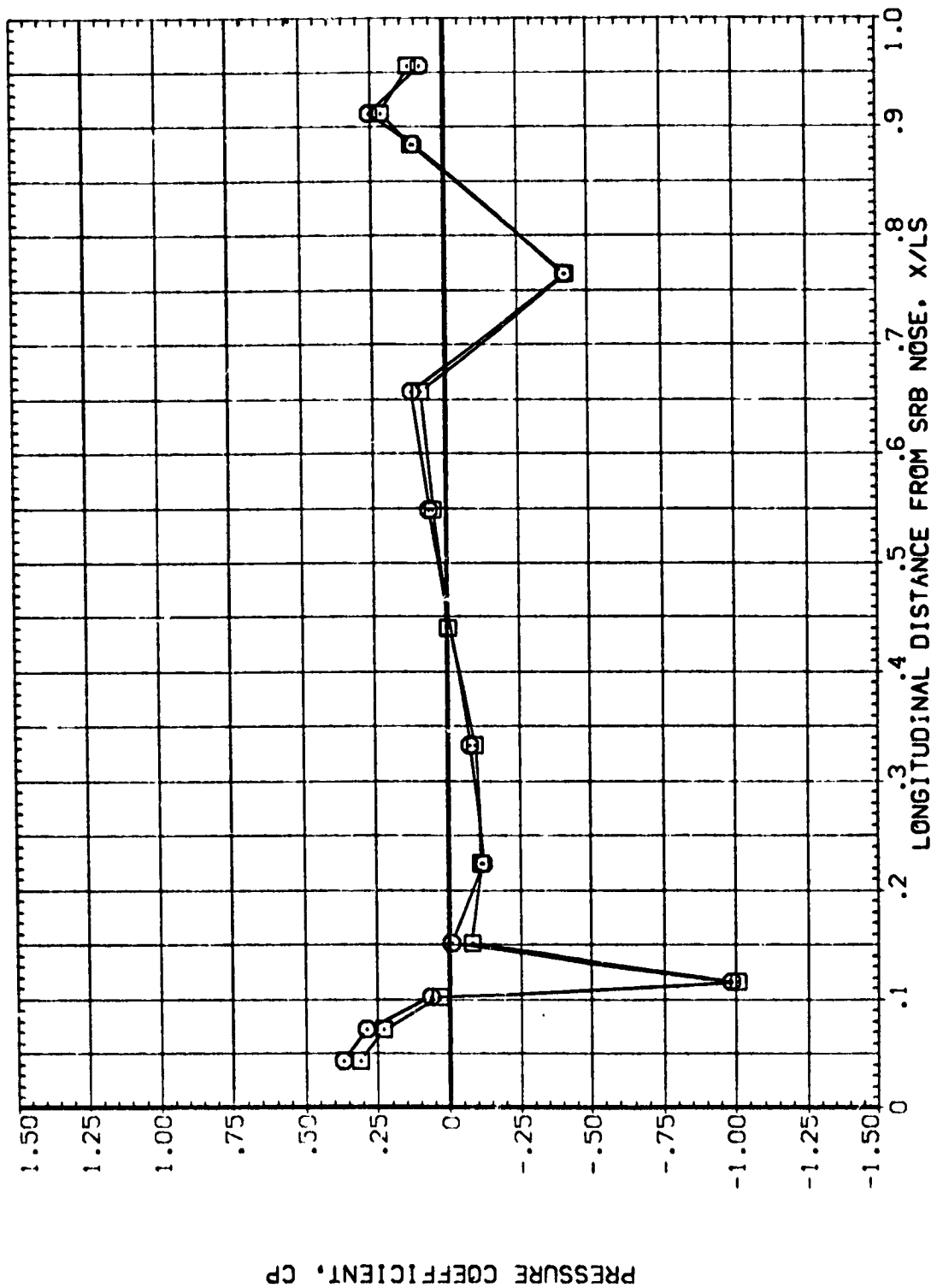
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○	270.000	.000	.900	6.198	DELTA Z	.000	.140	.000	90.000
□	292.500			5.313	X-SRB	.000	.000	.000	.000
◇	315.000			2.549					.500
				YMRP					
				ZMRP					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

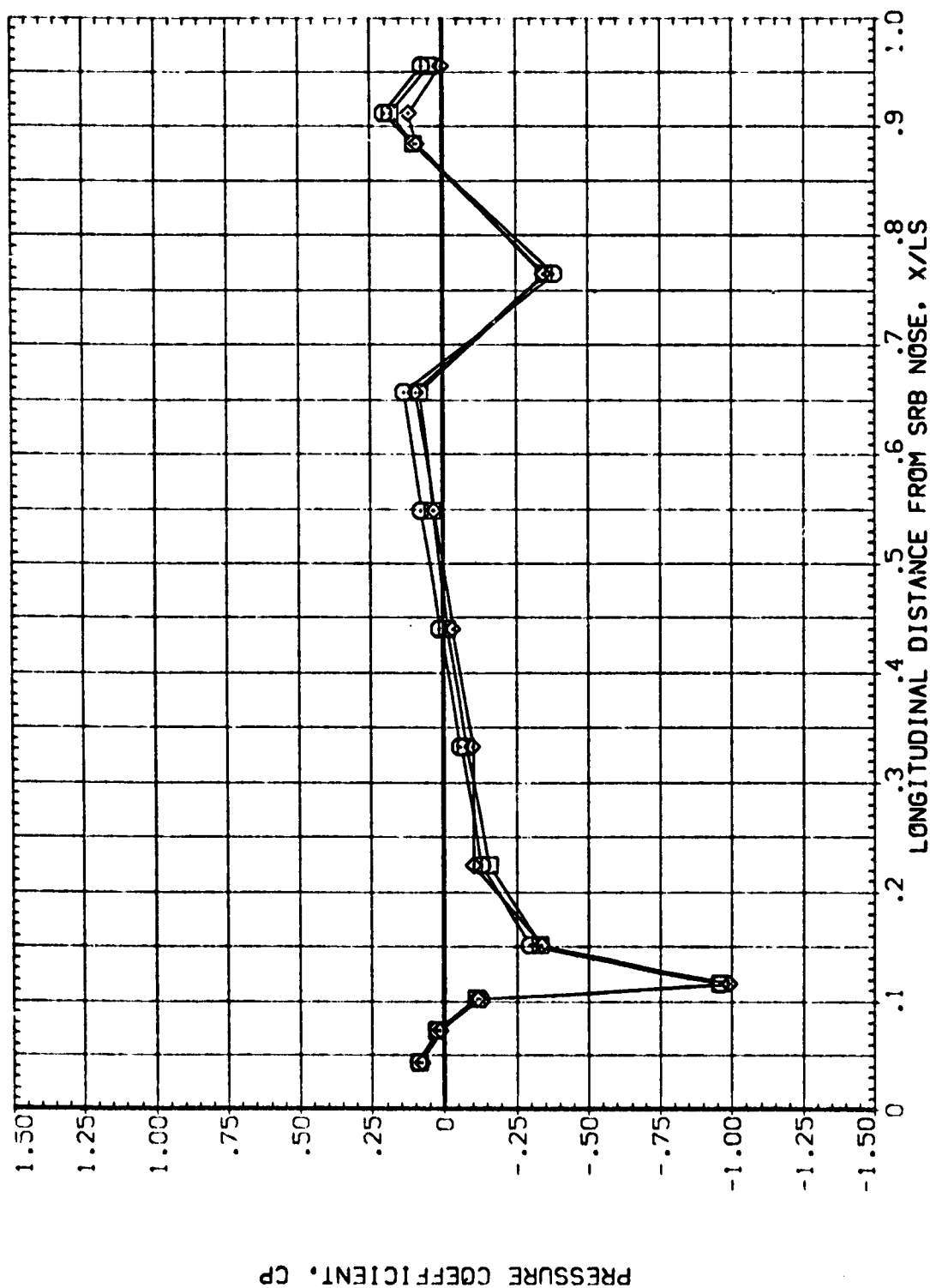
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□	360.000	.000	.900	.972	.000	.000	.000	X-SRB	.000	.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

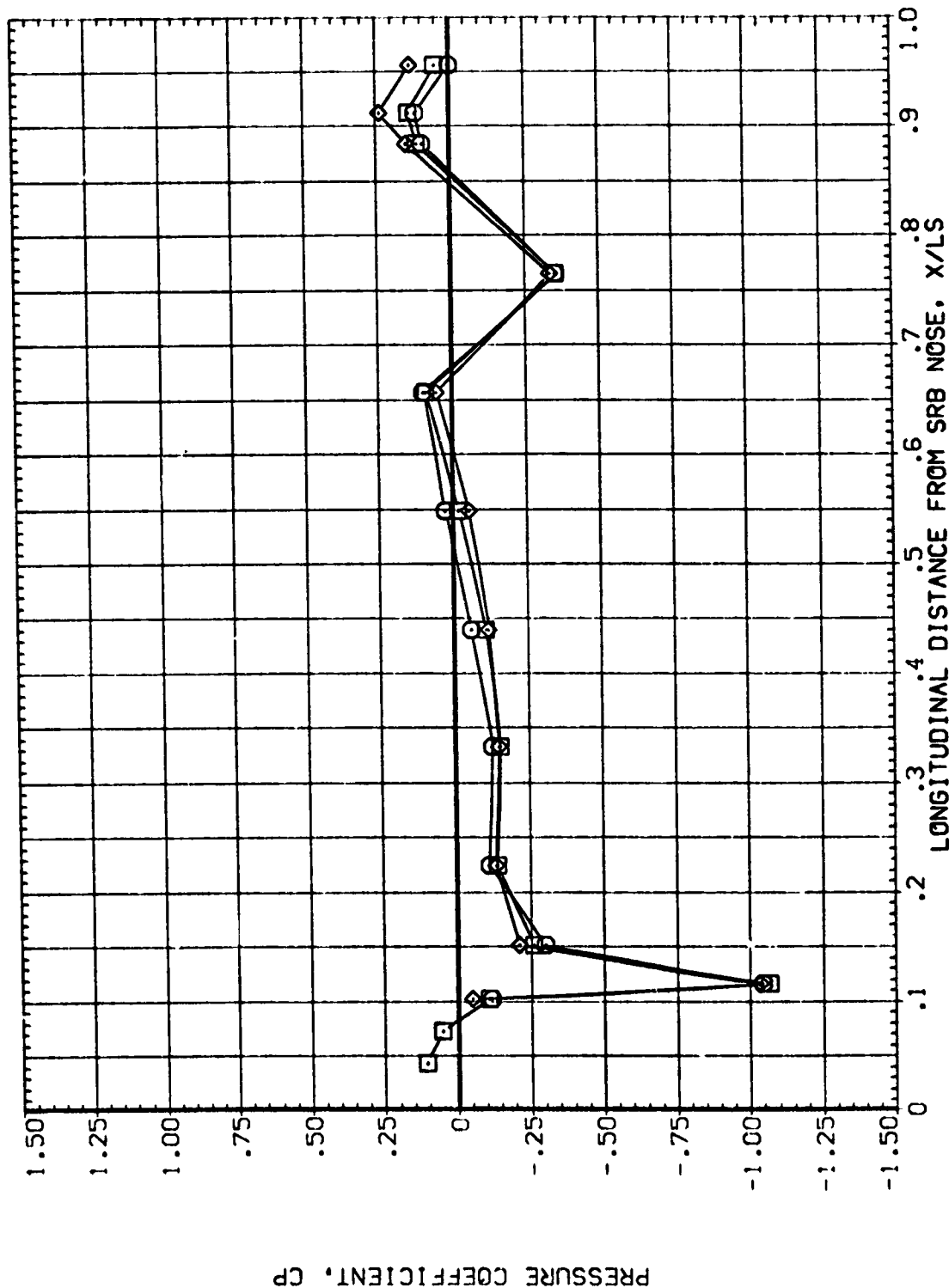
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◇	22.500			5.313	2.549	X-SRB	.000	.000	.000
◇	45.000			2.972	.000	DRB INC	.000	.000	.500
				ZMRP					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

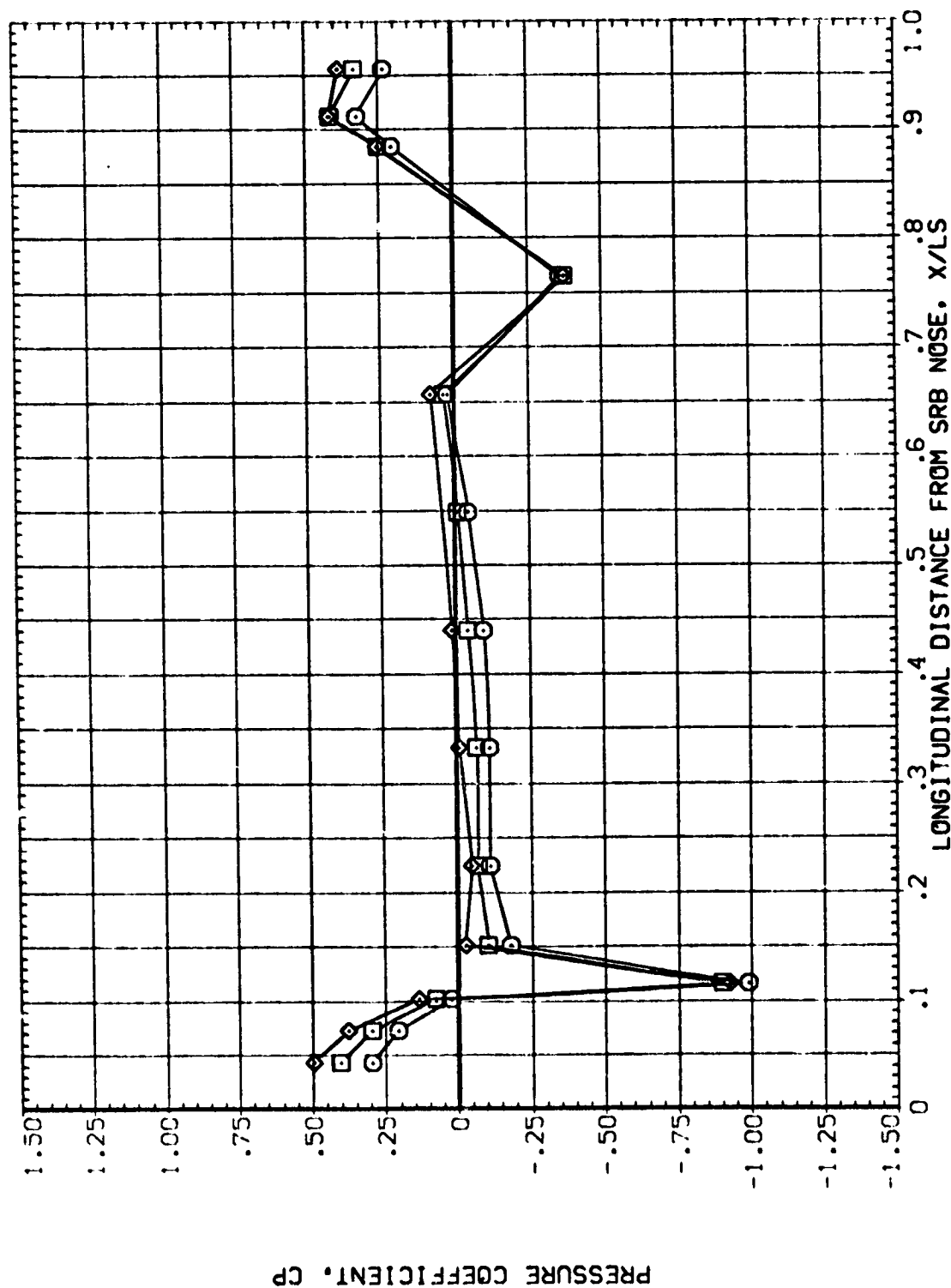
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				SREF	LREF	BREF	XMRP	YMRP	ZMRP	6.198	5.313	5.313	2.549	.972	.000	BETA	DELTAZ	X-SRB	.000	.140	.000	ORBIT	90.000	.000
○	67.500	8.000	.500																					
□	90.000																							
◇	112.500																							



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

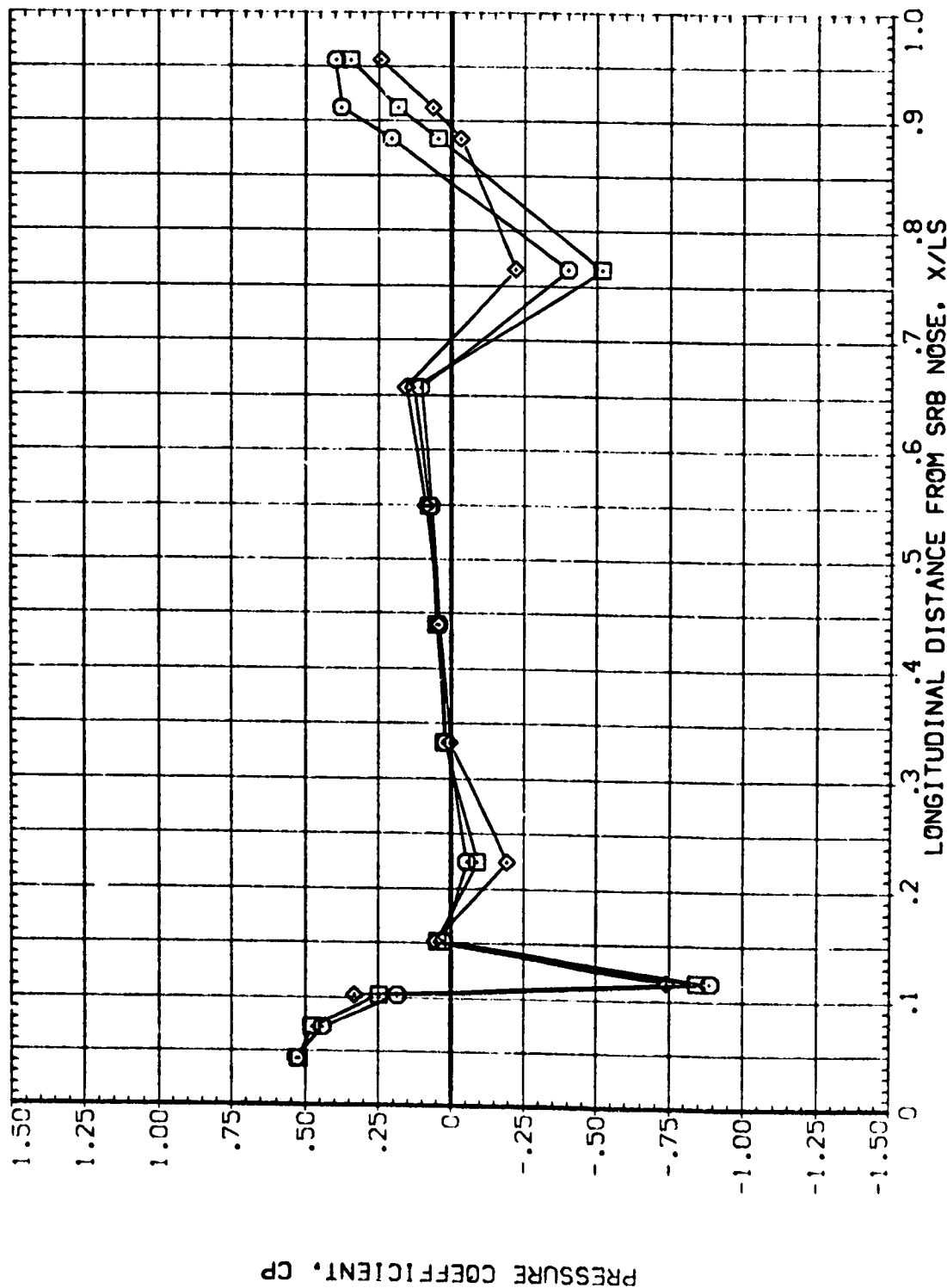
SYMBOL	P-M	ALPHA	MACH	REFERENCE DATA		BETA DELTA Z X-SRB	PARAMETRIC VALUES		
				SREF	5.198		.000	CONFIG	90.000
○	135.000	8.000	.500	LREF	5.313	IN.	.140	RUDER	.000
□	157.500			BREF	5.313		.000	DPBINC	.500
◇	190.000			XMRP	2.549				
				YMRP	.972	IN.			
				ZMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

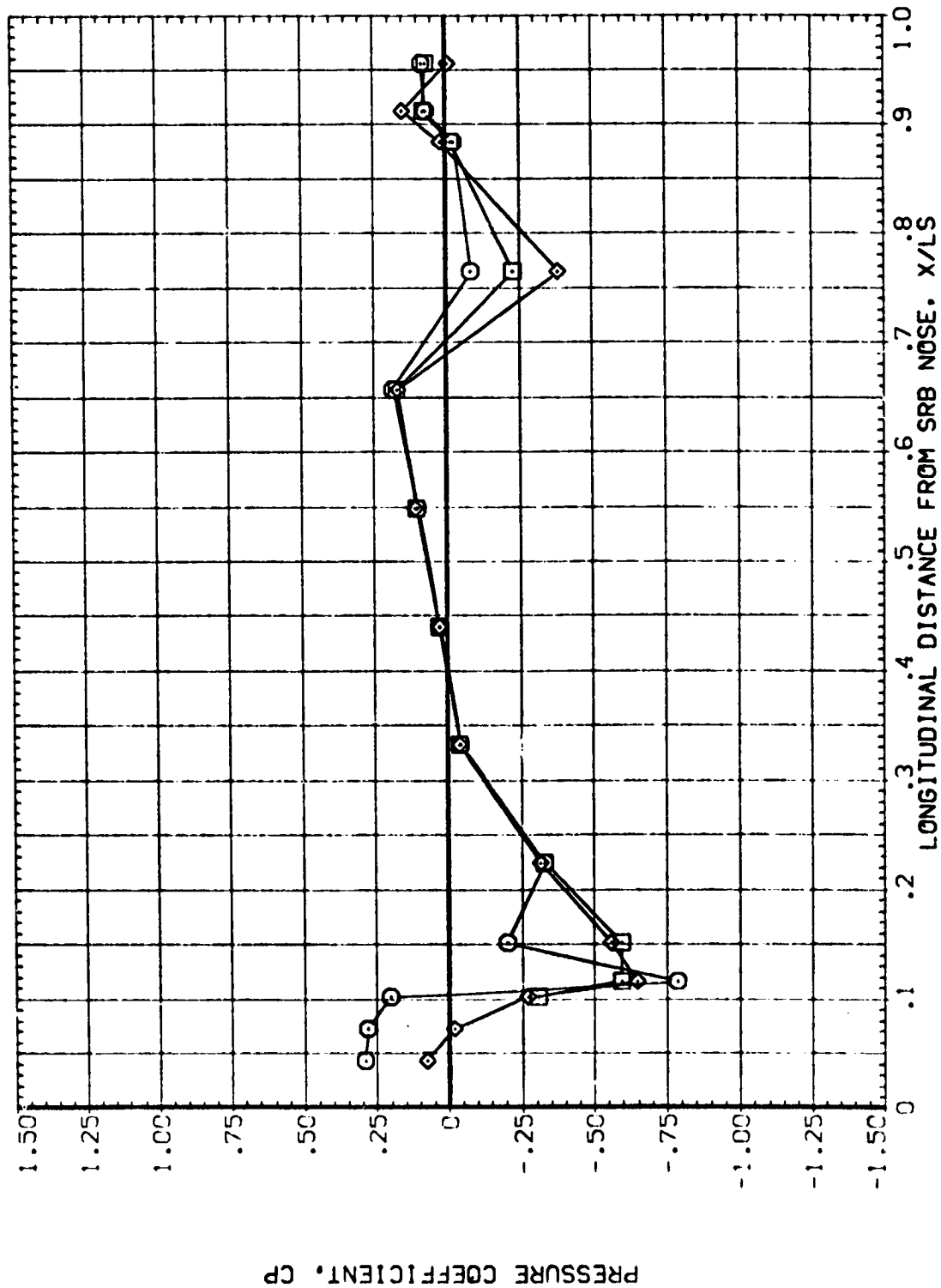
S/N	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	DELTA Z	CONF IG	90.000
202.500	8.000	.900		5.198	5.313	5.313	2.549	.000	.140	RUDER	.000
225.000								.000	.000	ORBIT NC	.500
247.500											



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

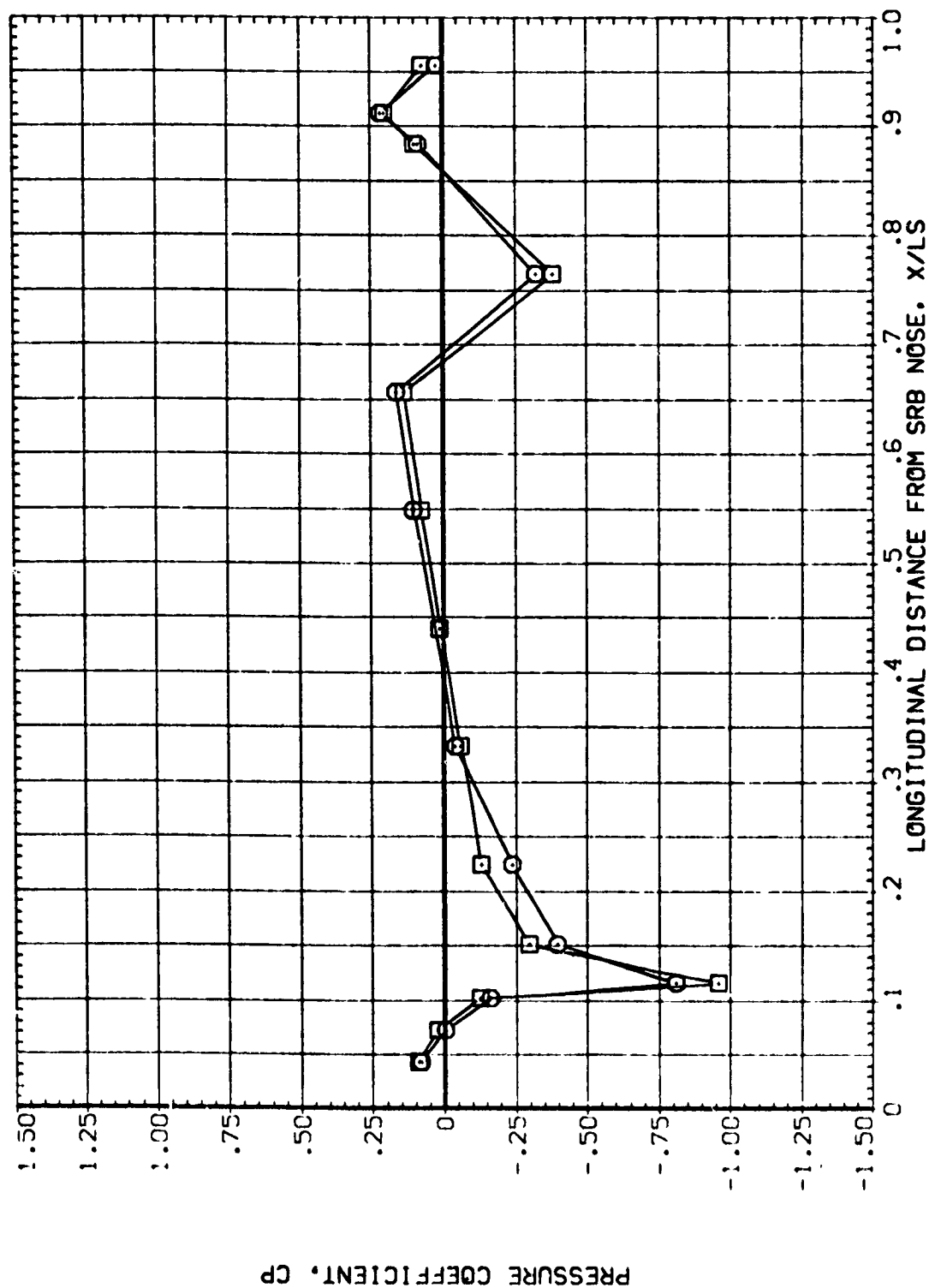
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA			BETA DETAZ A-SRB	PARAMETRIC VALUES		
				SREF	LREF	BREF		.000	.000	.000
◇	270.000	8.000	.900	6.198	5.313	5.313	140	.000	.000	.500
□	292.500			2.549						
○	315.000			.972						
				.000						



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

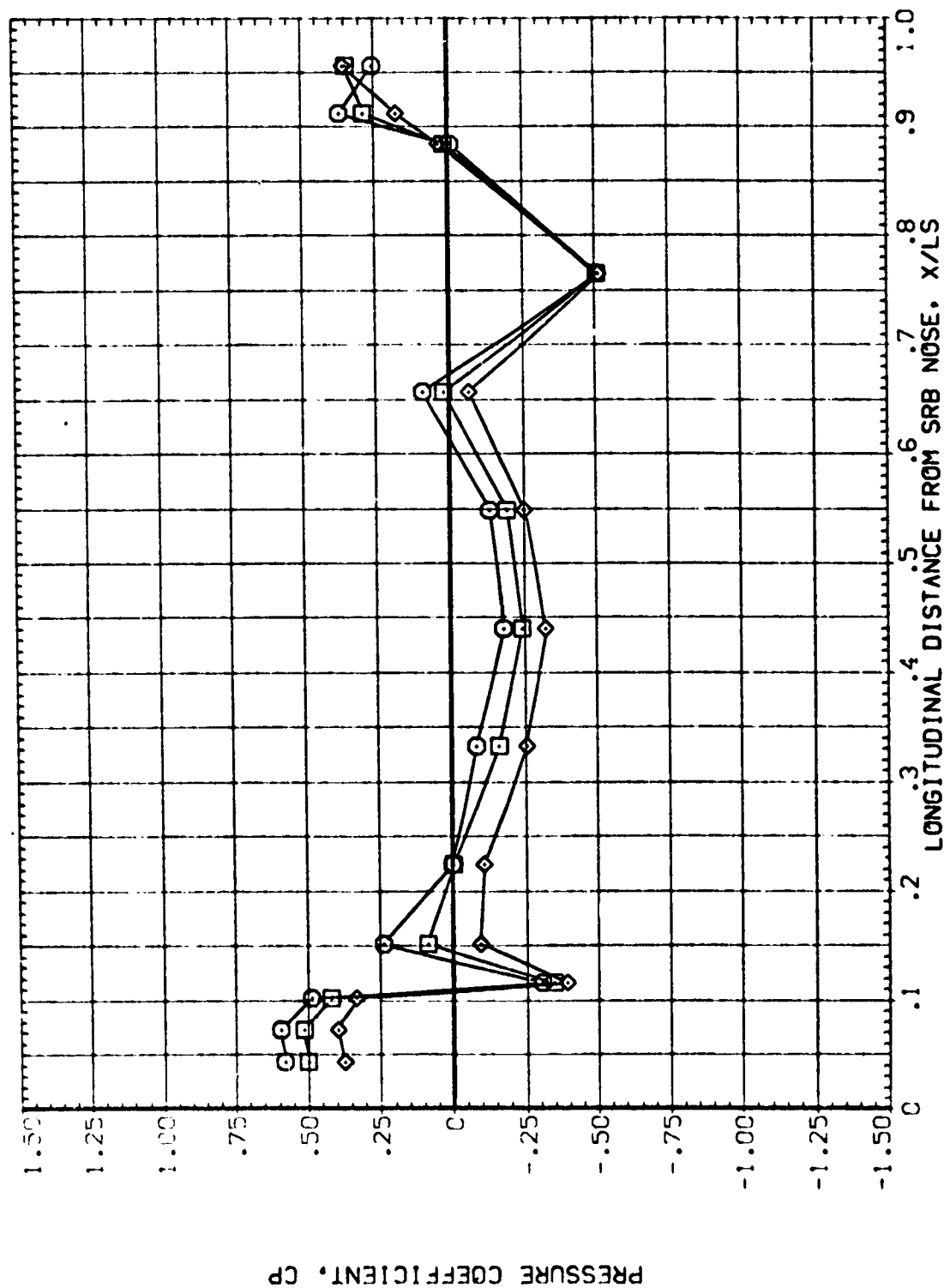
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	LREF	BETA	CONF IG	90.000	
○	237.500	8.000	.900	5.313	5.313	DELTA Z	.000	.000	
□	330.000			2.549	2.549	X-SRB	.140	.000	
				.972	.972	ORBITAL	.000	.500	
				.000	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

NSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

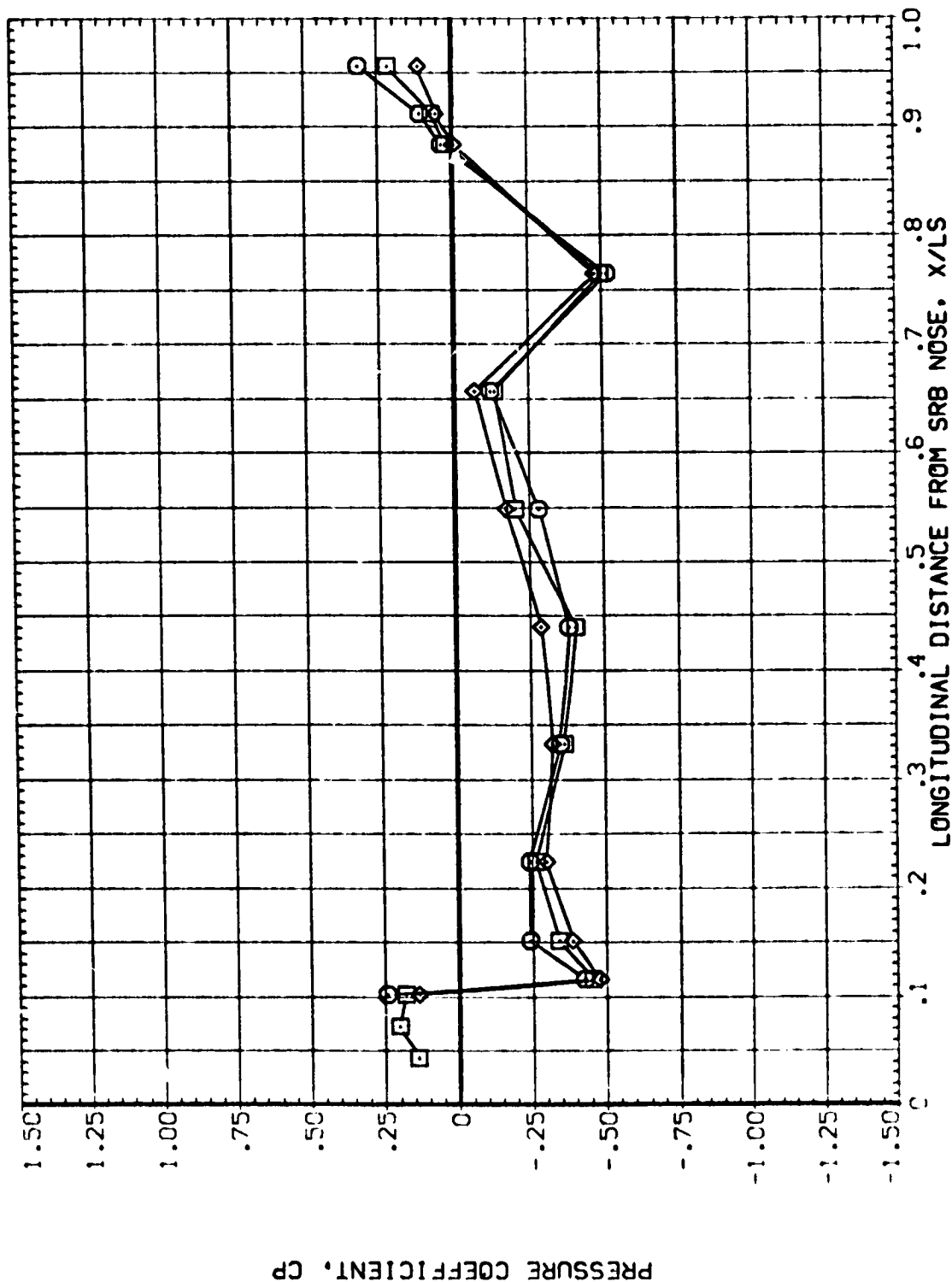
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SO.IN.	BETA	CONF IG	90.000
○	.000	-8.000	1.250	6.198	5.313	5.313	2.549	IN.	DELTA Z	.000	.000
□	22.500			5.313	5.313	2.549	.972	IN.	X-SRB	.000	.500
◇	45.000			.000				IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	BETA	CONF IG	RUDDER	ORBIT INC
○	67.500	-8.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	90.000							X-SRB	.000	.000	.500
◇	112.500										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

SYMBOL

PHI
135.000
157.500
180.000

ALPHA
-8.000

MACH
1.250

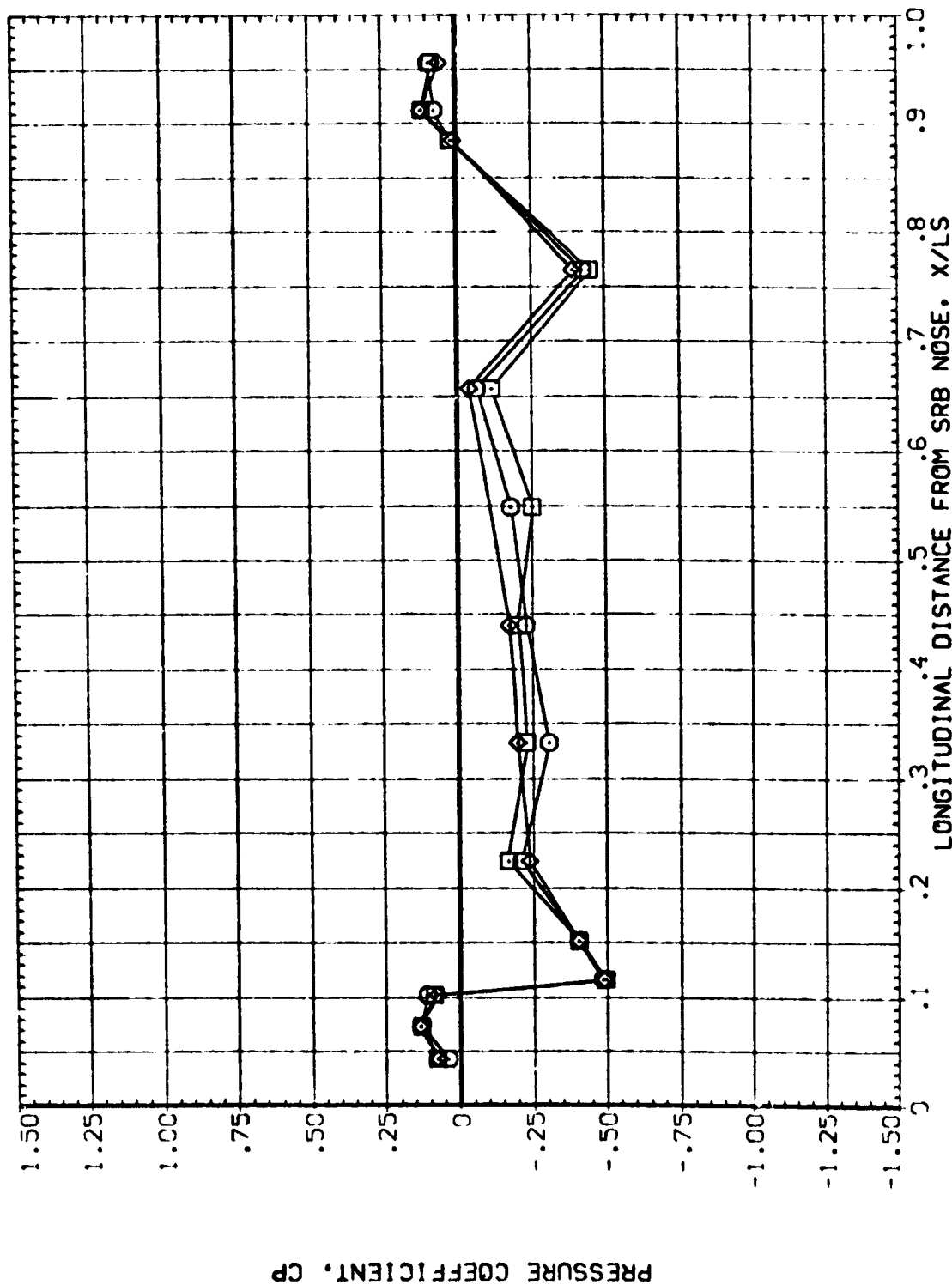
REFERENCE DATA
SREF 6.198
LREF 5.313
BREF 5.313
XMRP 2.549
YMRP .972
ZMRP .000

SO. IN.
IN.
IN.
IN.
IN.

BETA
DELTA Z
X-SRB

PARAMETRIC VALUES
.000 CONFIG
.140 RUDDER
.000 ORBINC

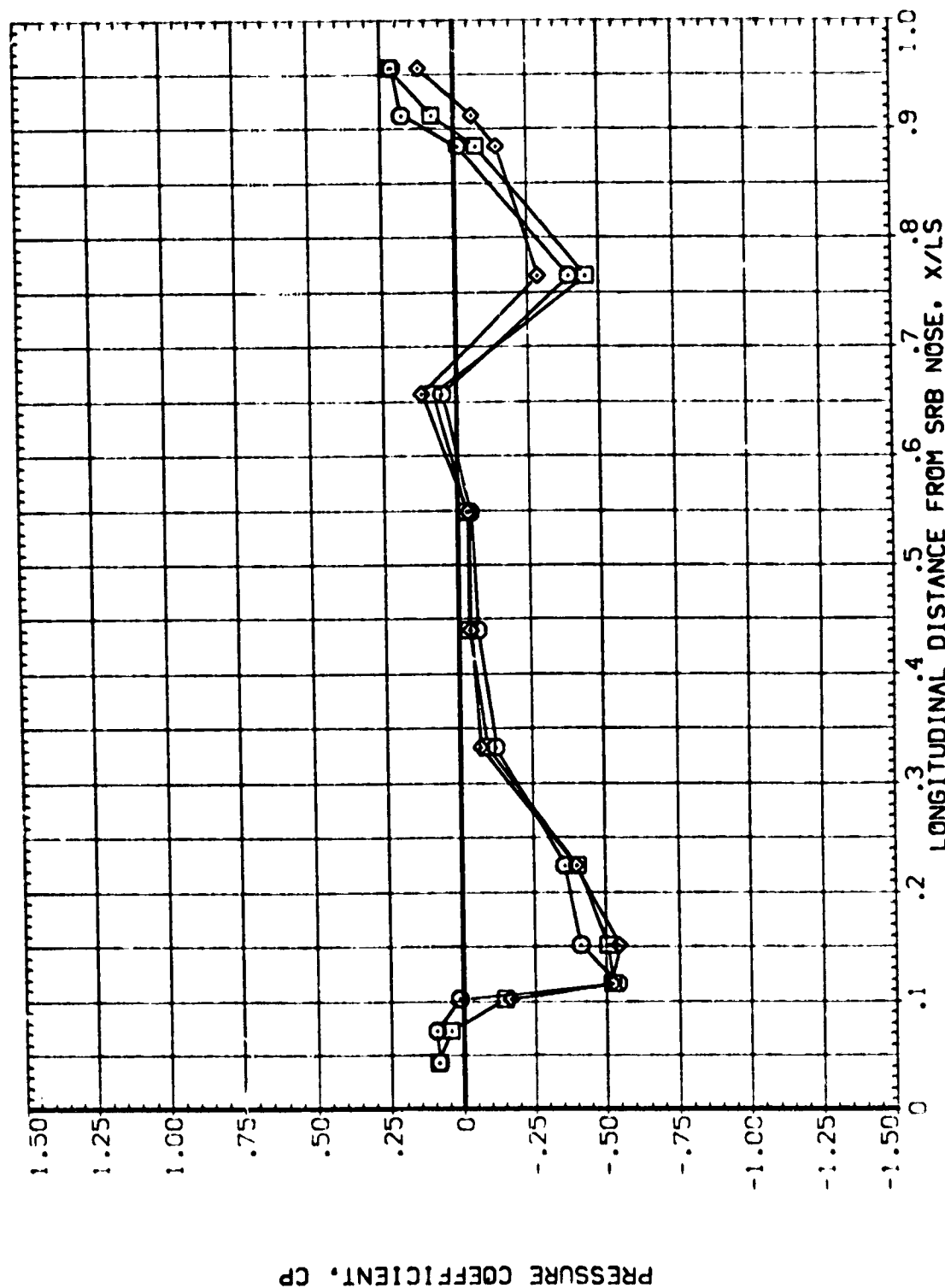
90.000
.000
.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

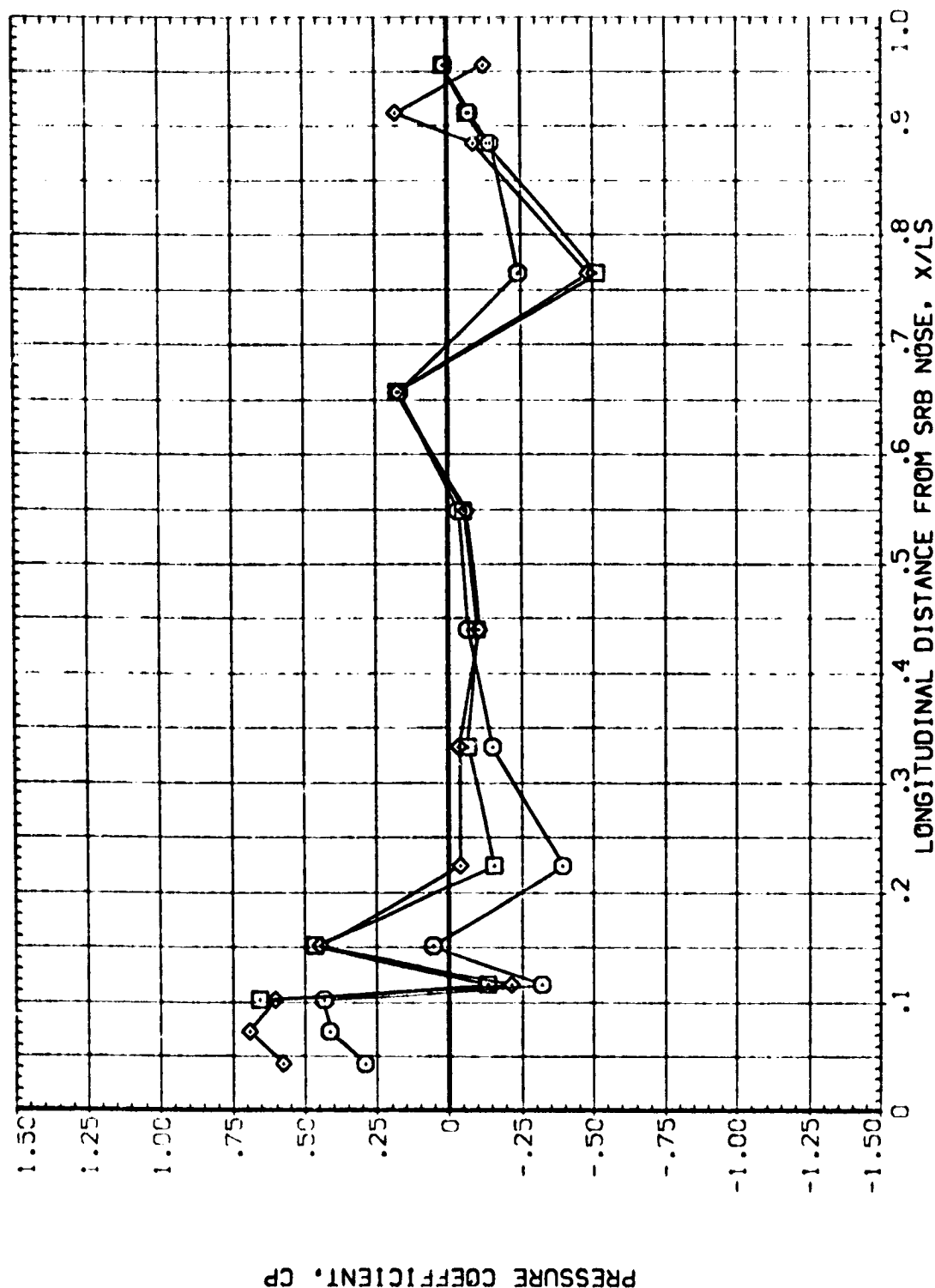
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	BETA	CONF IG
○	202.500	-8.700	1.250	6.198	5.313	5.313	2.549	.972	.000	.000	.000
□	225.000									.140	RUDDER
◇	247.500									.000	ORBING
										.500	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

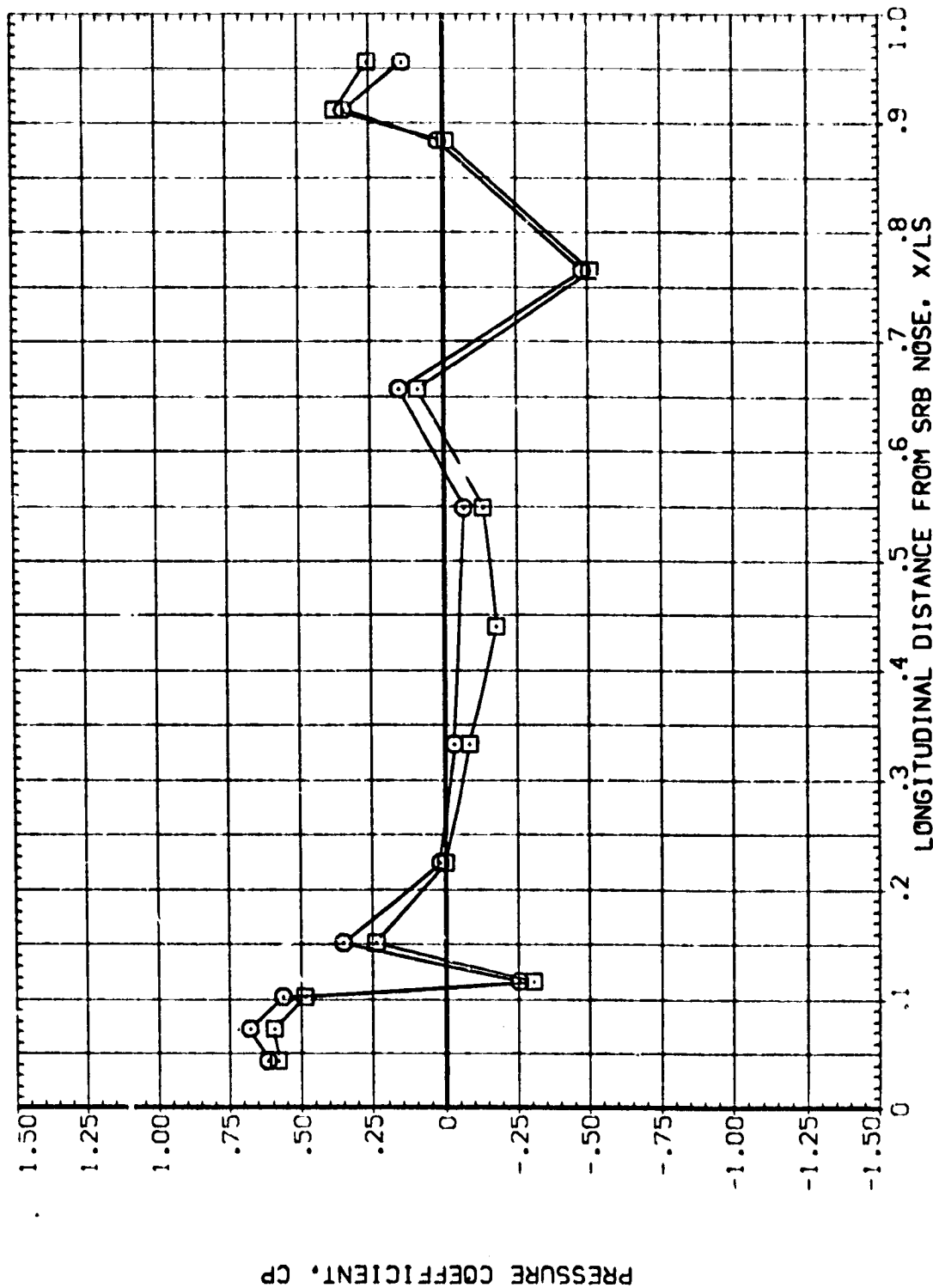
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LOEF	BREF	VREF	BETA	CONFIC	RUDDER	999 INC
	270.000	-8.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
	292.500							X-SRB	.000	999 INC	.500
	315.000										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

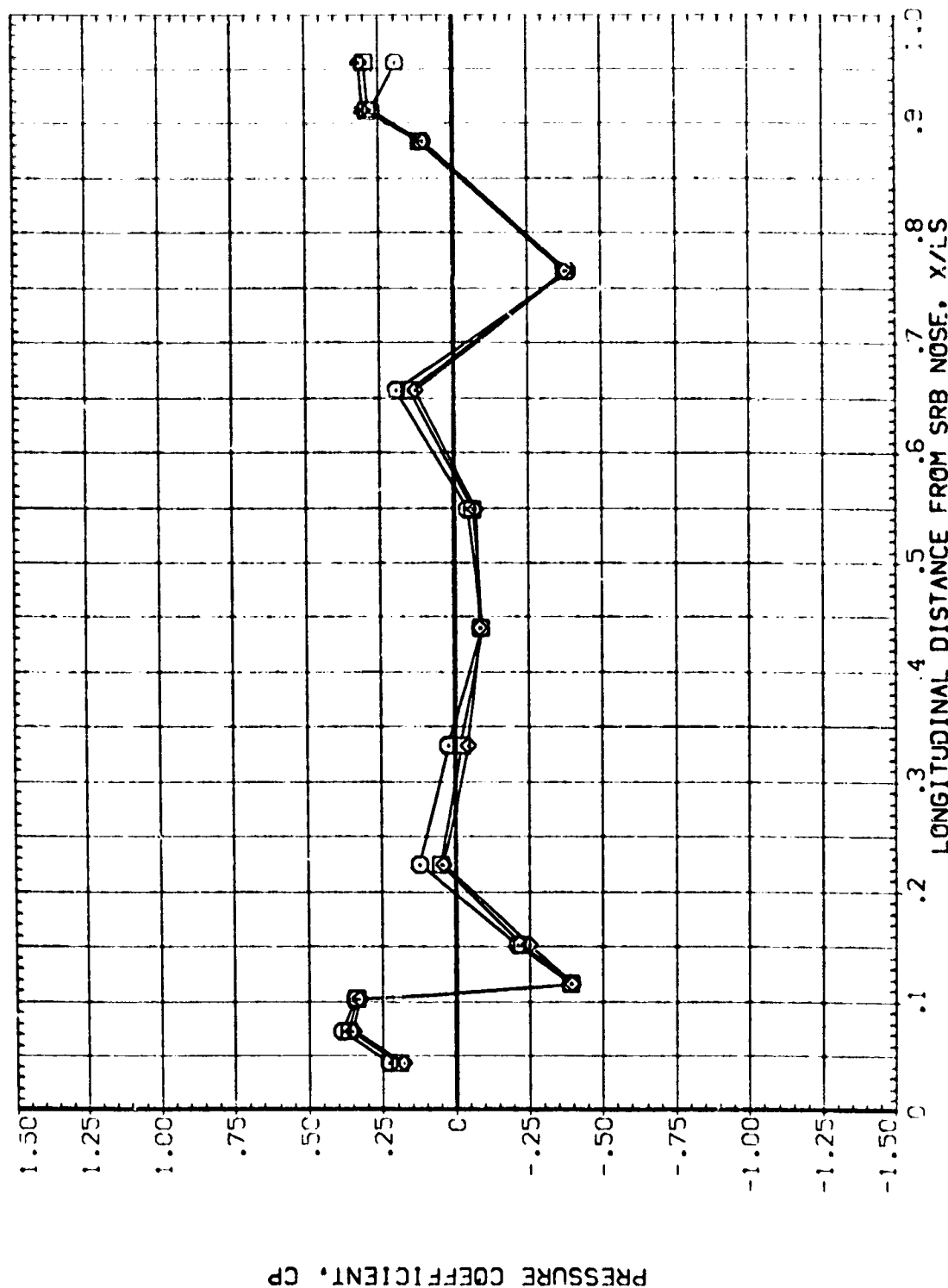
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	LREF	BETA	CONF13	CONF15	
○	337.500	-8.000	1.250	5.198	5.313	DELTA Z	.000	.000	.000
□	360.000			5.313	2.549	X-SRB	.140	.000	.500
				XMRP	.572	ORBITAL			
				YMRP	.000				
				ZMRP					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

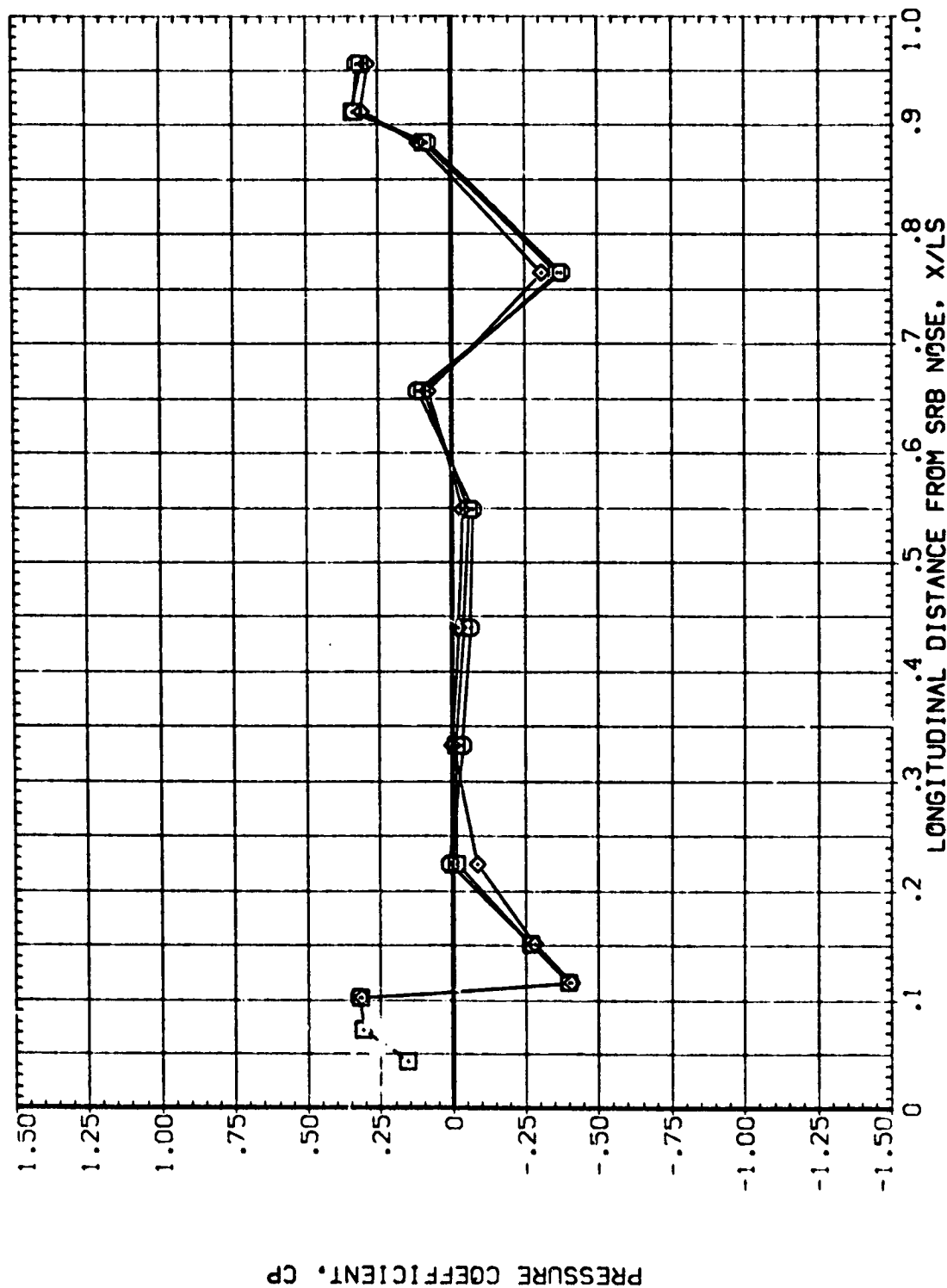
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	6.198	BETA	50.000
○	.000	.000	1.250	LREF	5.313	DELTA Z	.000
□	22.500			BREF	5.313	X-SRB	.000
◇	45.000			X-RP	2.549		.500
				Y-RP	.972		
				Z-RP	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

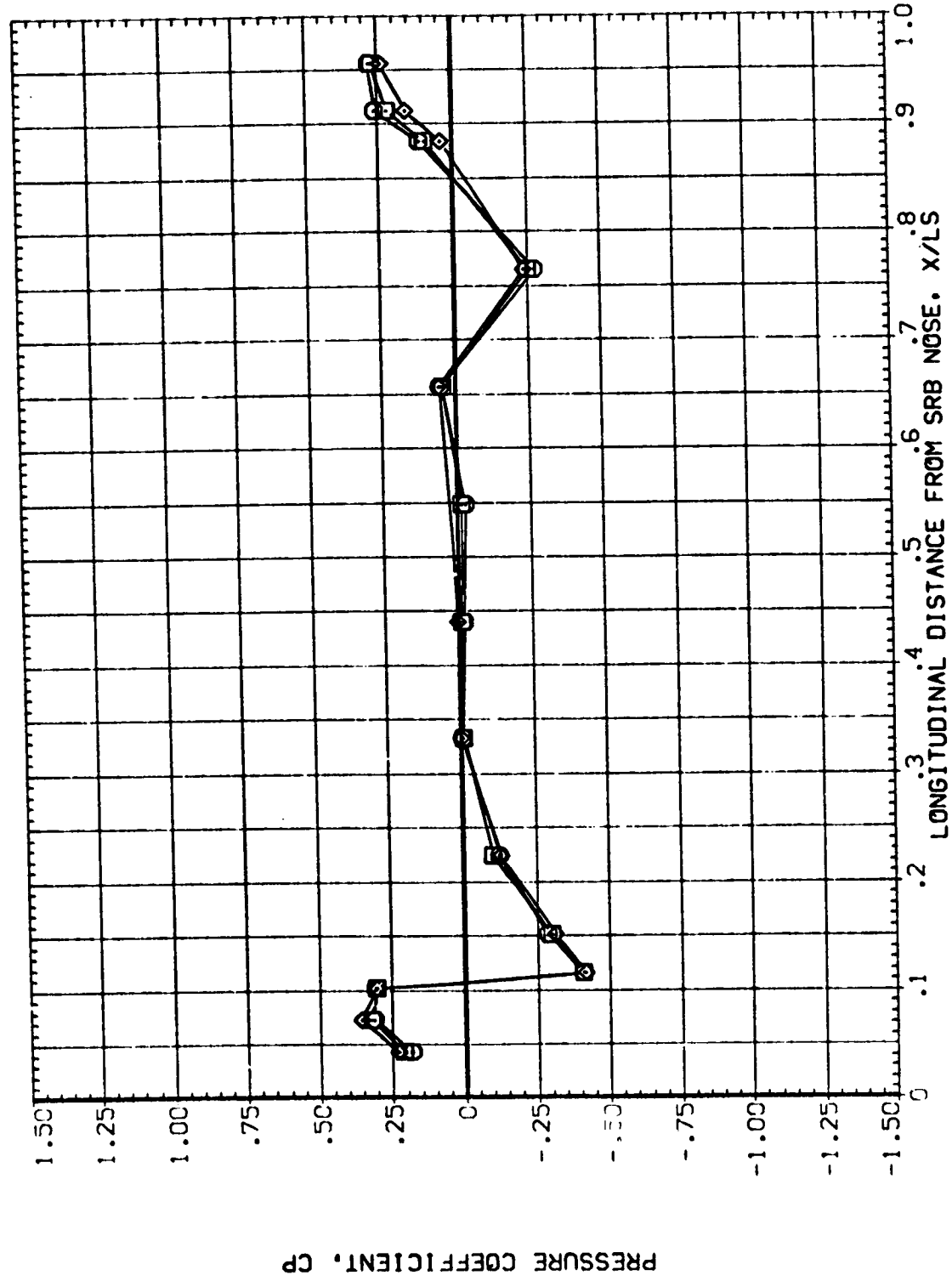
SYMBOL	PARAMETRIC VALUES	
	CONF IG	90.000
	RUDDER	.000
	ORBIT INC	.500
REFERENCE DATA	BETA	
	DELTA Z	X-SRB
	SO. IN.	
	IN.	
PARAMETRIC VALUES	SREF	
	LREF	5.313
	BREF	5.313
	YMRP	2.549
REFERENCE DATA	YMRP	
	ZMRP	.972
	IN.	.000
	IN.	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

SYMBOL	PMI	ALPHA	MACH	REFERENCE DATA	BETA	PARAMETRIC VALUES
○	135.000	.000	1.250	SREF 6.198	DELTA Z	.000 CONF IG
□	157.500			LREF 5.313	X-SRB	.140 RUDDER
◇	180.000			SREF 5.313		.000 ORB INC
				XMRP 2.548		
				YMRP .972		
				ZMRP .000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

(A82501)

MACH

BE 1A
BE 1B

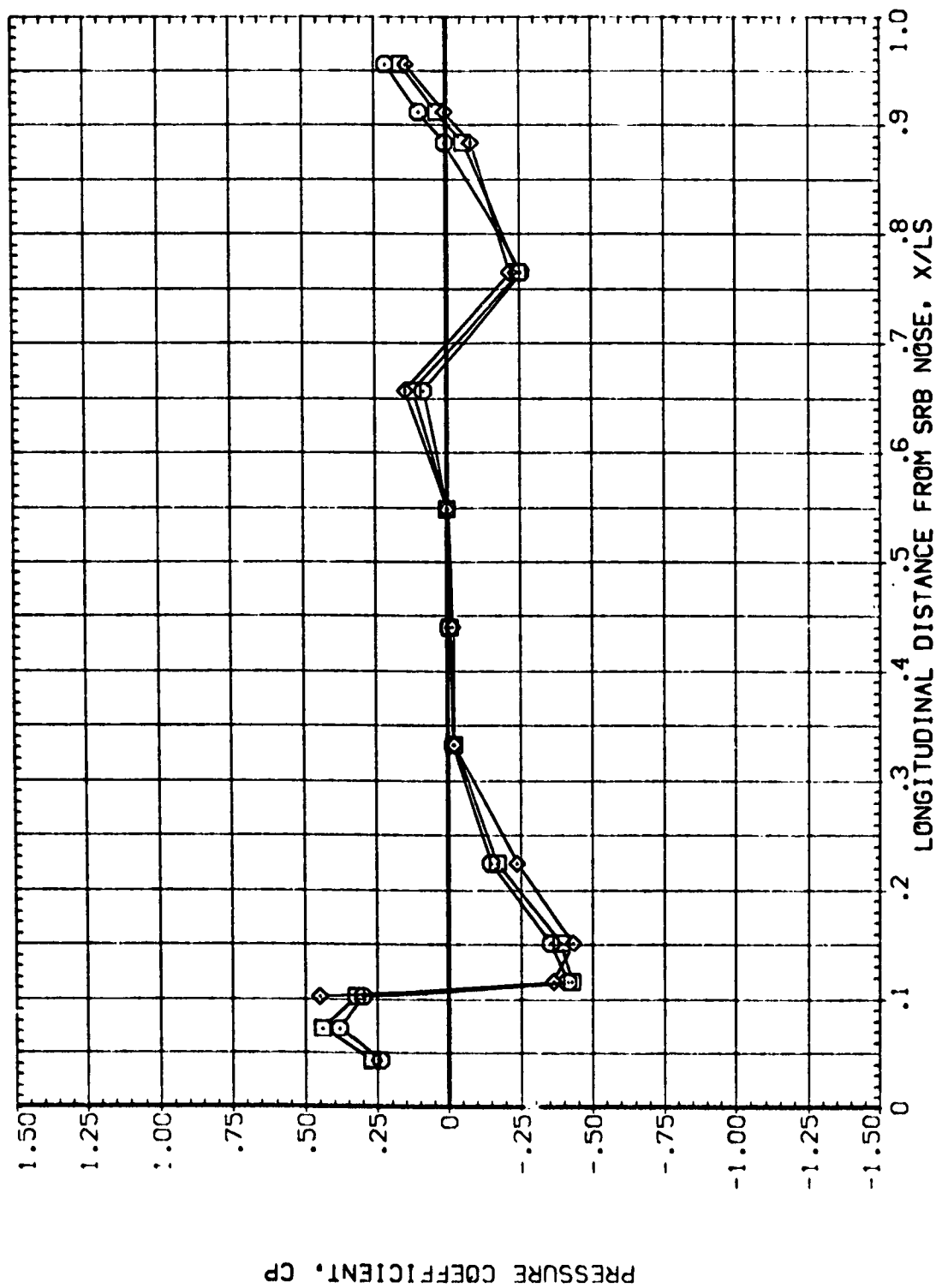
DELTA Z

X-508

C VALUES

CONF 16

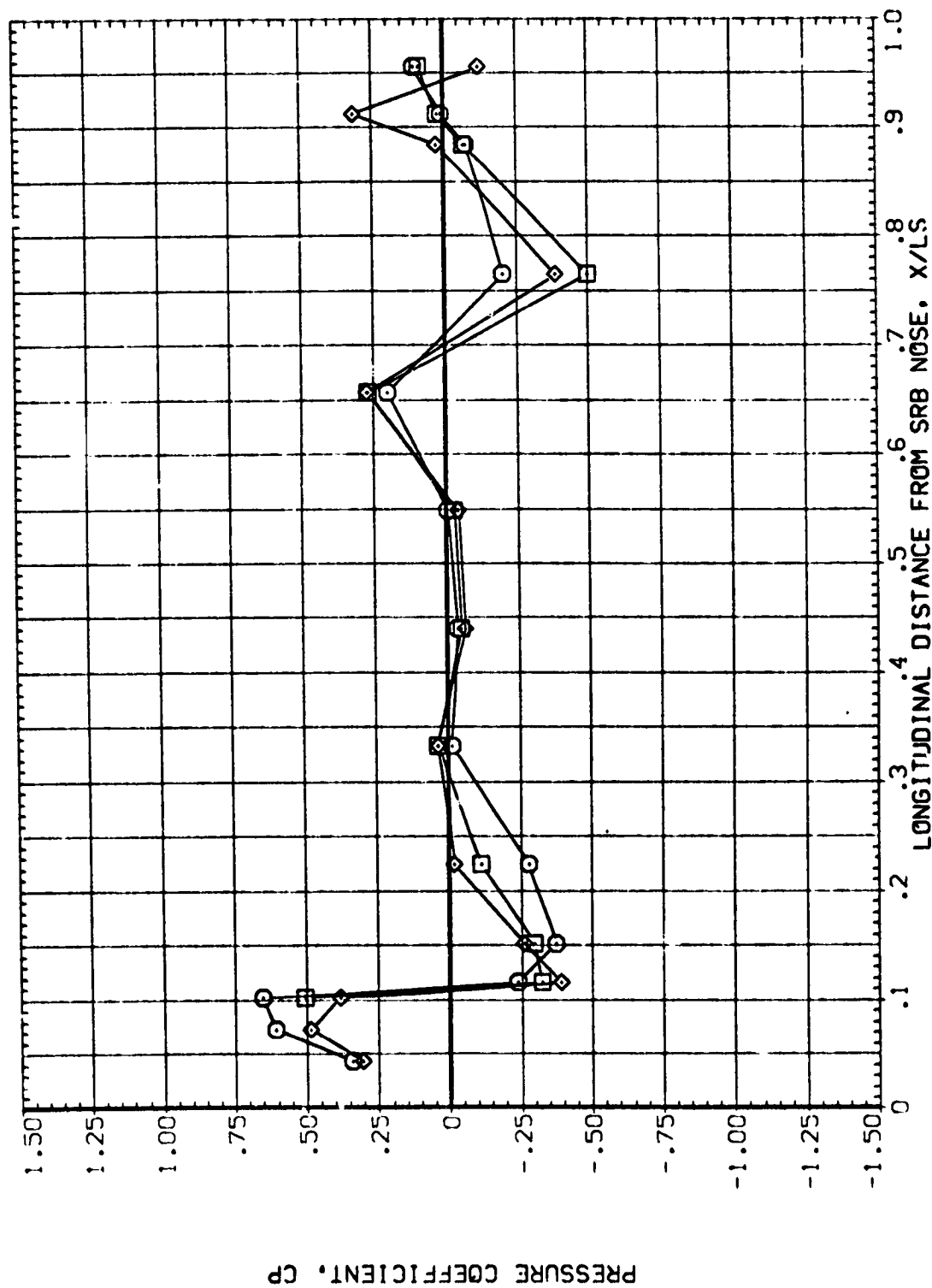
RUDDER



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

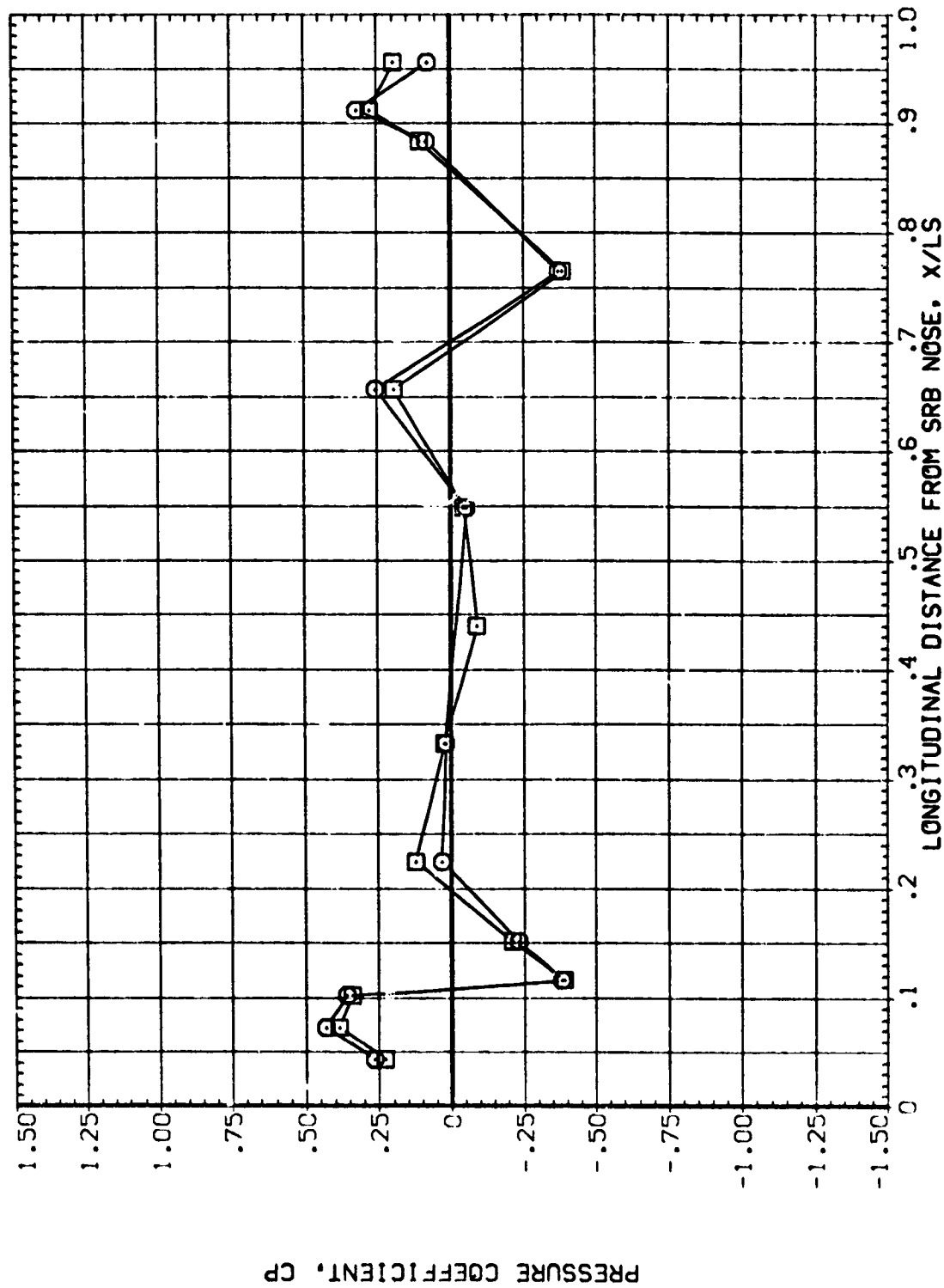
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				SQ. IN.	PARAMETRIC VALUES			
				SREF	6.198	BETA	.000		CONFIG	90.000		
○	270.000	.000	1.250	LREF	5.313	DELTA Z	.140	RUDDER	.000			
□	292.500			SREF	5.313	X-SRB	.000	ORBINC	.500			
◇	315.000			XMRP	2.549							
				YMRP	.972							
				ZMRP	.000							



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

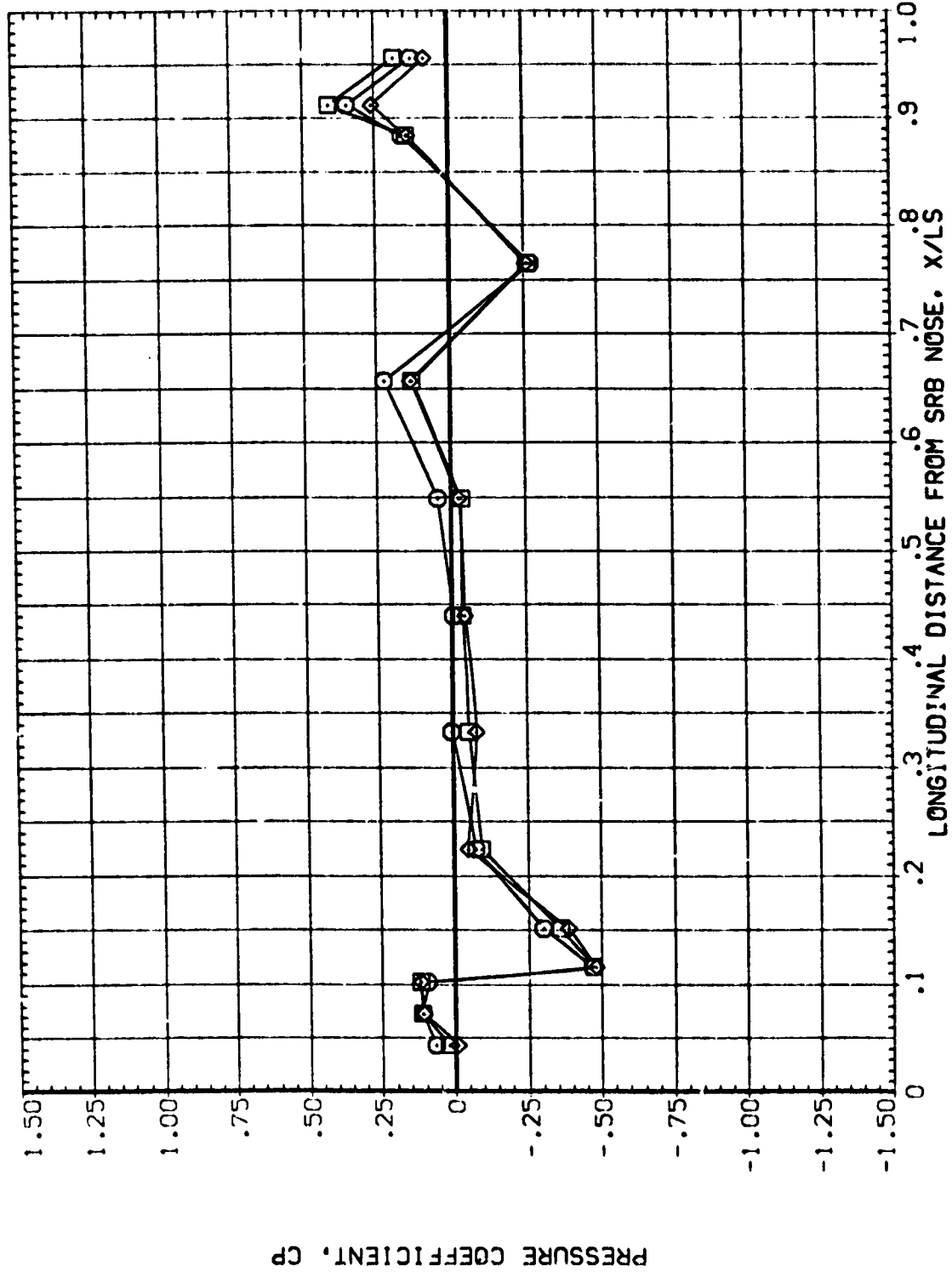
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	CONFIG	90.000	
○	337.500	.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.000	.000	
□	360.000						.972	X-SRB	.000	.000	.500
							.000		ORRINC		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

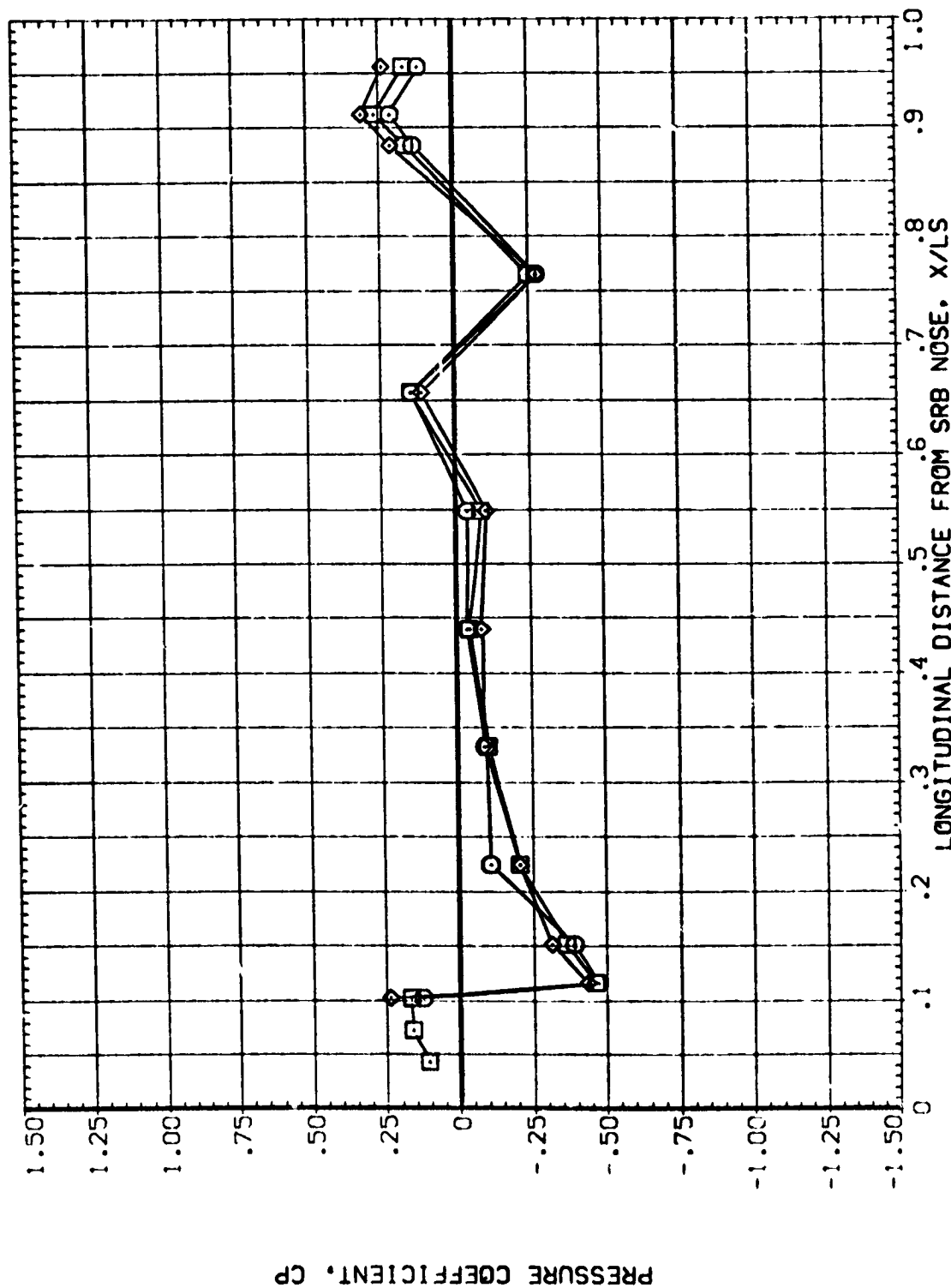
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SD, IN.	BETA	CONF IG
○	.000	8.000	1.250	LREF	IN.	DELTA Z	.000
□	.500			BREF	IN.	X-SRB	.140
◇	45.000			XMRP	IN.		.000
				YMRP	IN.		.500
				ZMRP	IN.		.000



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

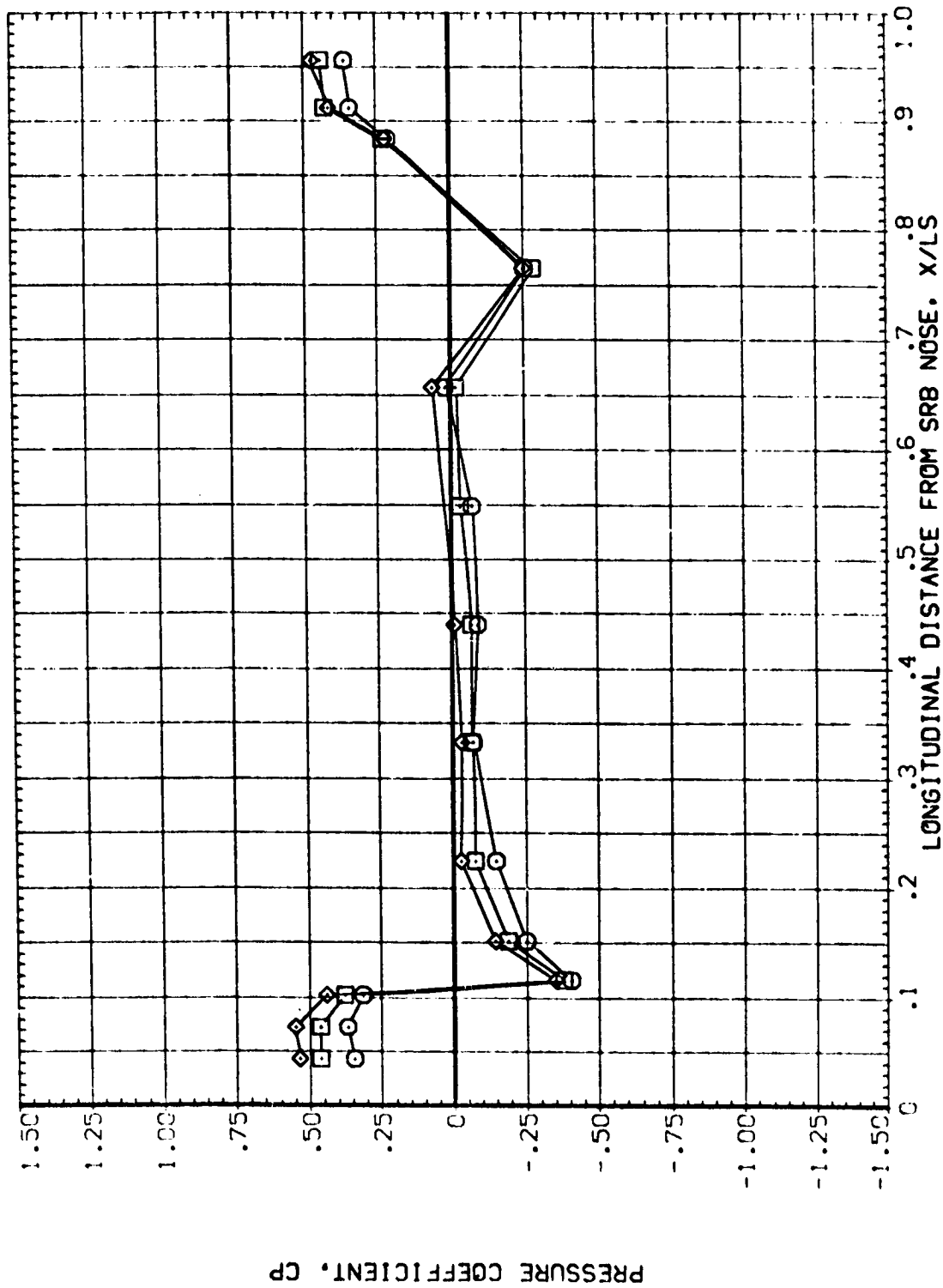
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XRRP	SO. IN.	BETA	CONF IG	
□	67.500	8.000	1.250	6.198	5.313	5.313	2.549	IN.	DELTA Z	.000	RUDDER
◇	90.000						.972	IN.	X-SRB	.000	ORBITAL
◇	112.500						.000	IN.			.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

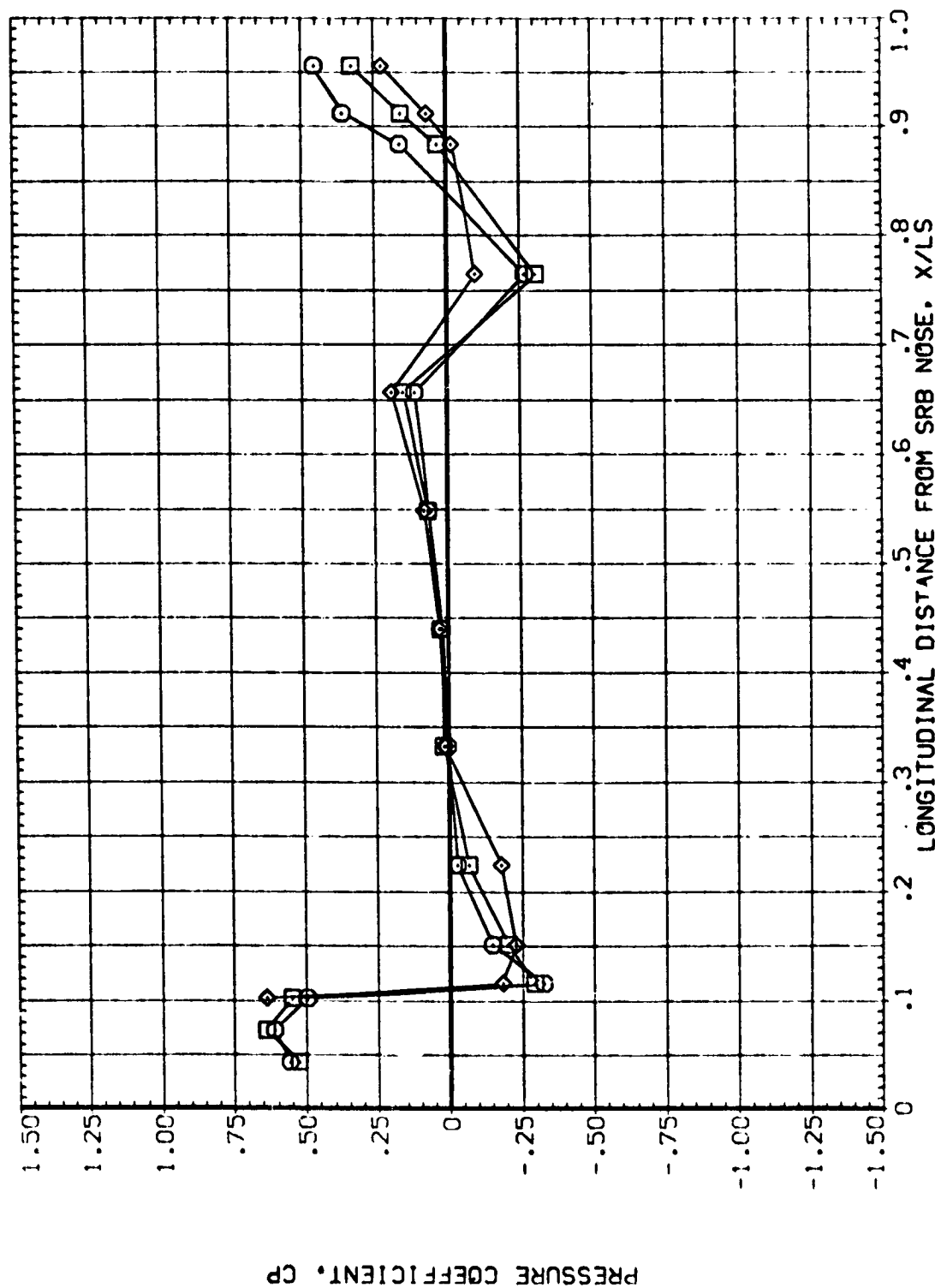
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	X-REF	BETA	DELTA Z	RUDDER	SRB INC
□	135.000	8.000	1.250	6.198	5.313	5.313	2.549	.000	.140	.000	.000
◇	157.500			.972	.000						.500
◇	180.000										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

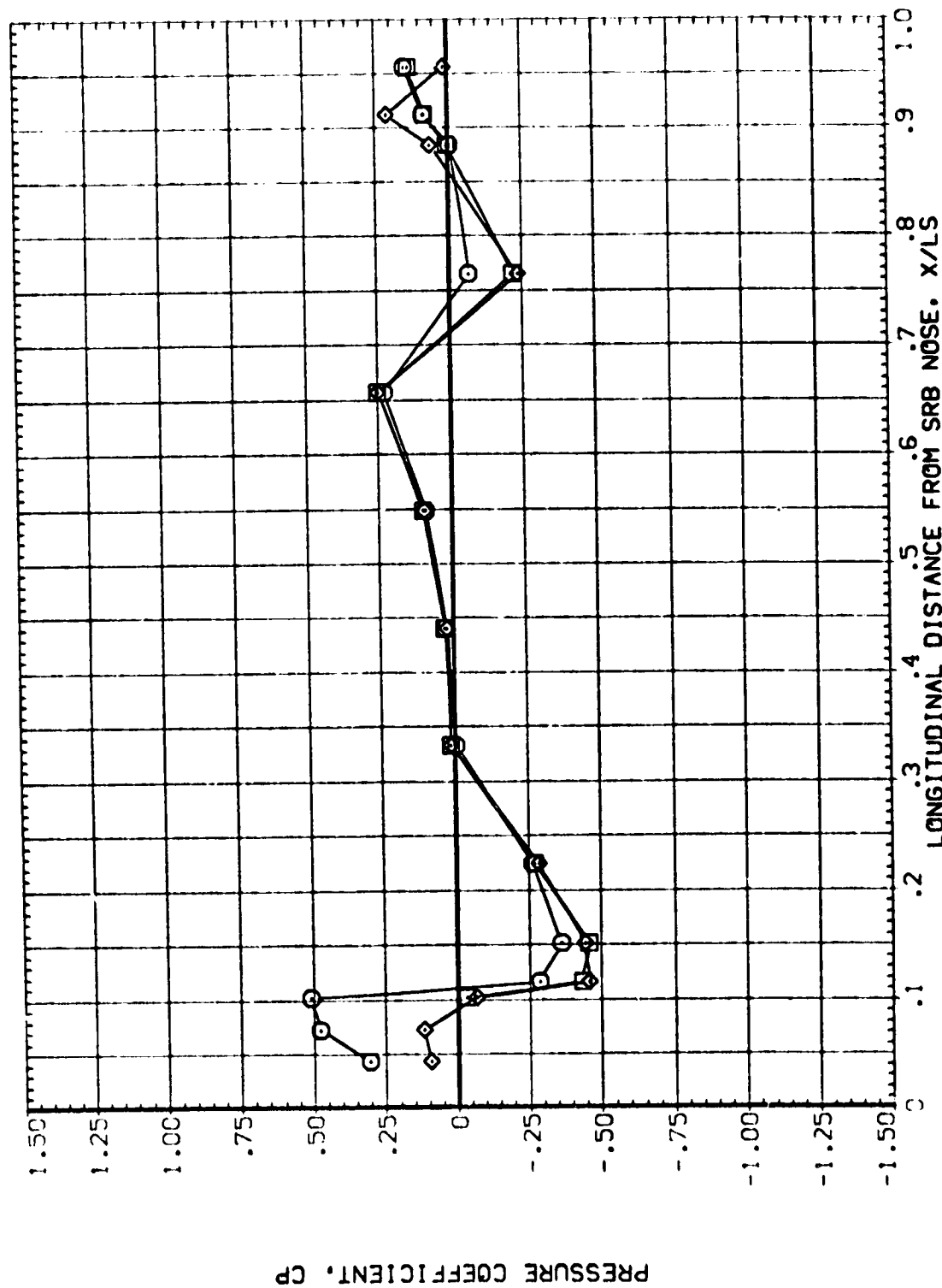
SYMBSL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	BETA	CONF 16	90.000
○	202.500	8.000	1.250	LREF	DELTA Z	.000	.000
□	225.000			BREF	X-SRB	.140	.000
◇	247.500			XMRP		.000	.500
				YMRP			
				ZMRP			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

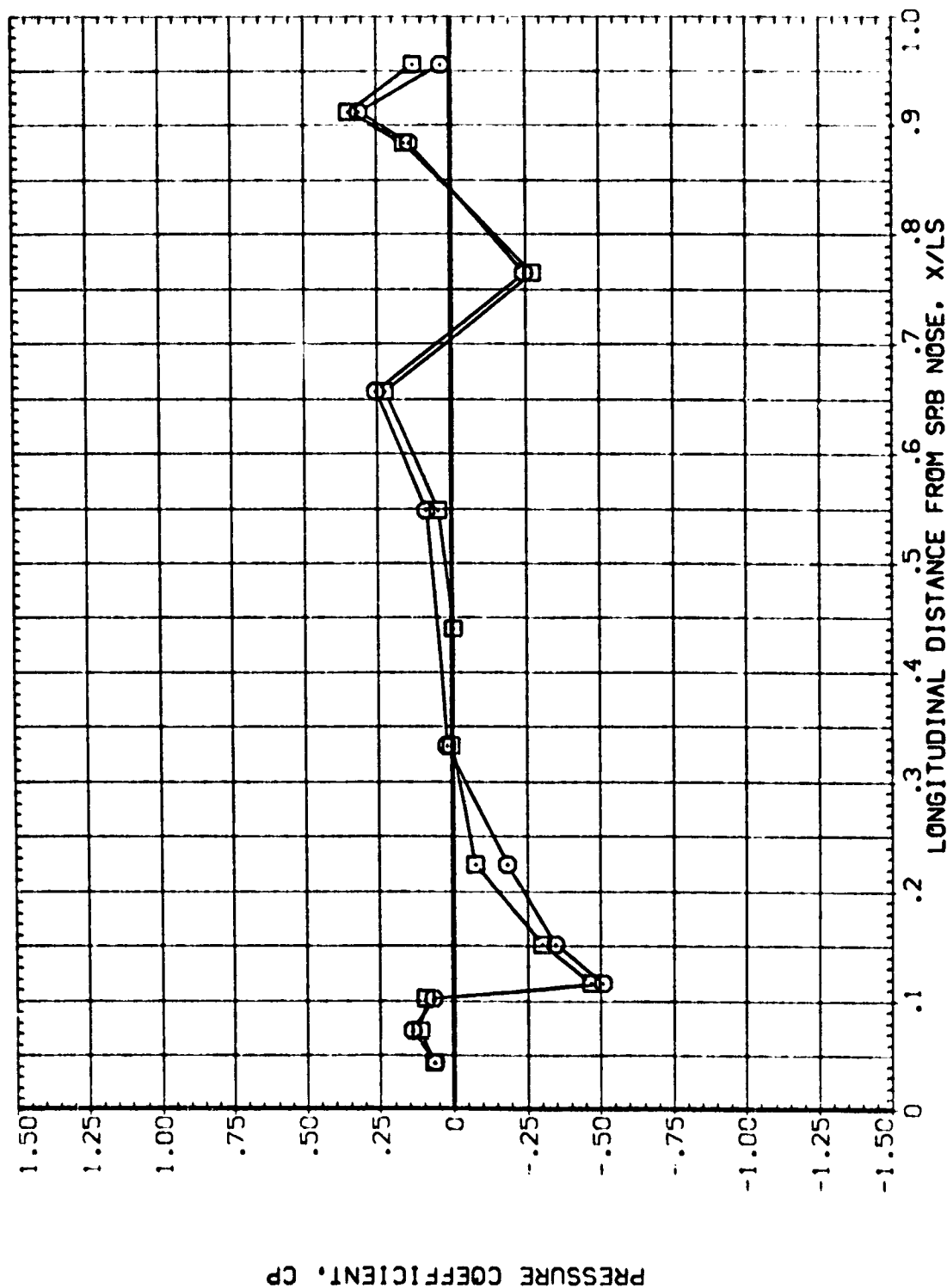
SYMBOL	P-H	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	X-MRP	Y-MRP	Z-MRP	BETA	CONF IG
○	270.000	8.000	1.250	6.198	5.313	5.313	2.549	.972	.000	.140	RUDDER
□	292.500									.000	SRB INC
◇	315.000									.000	SRB INC



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

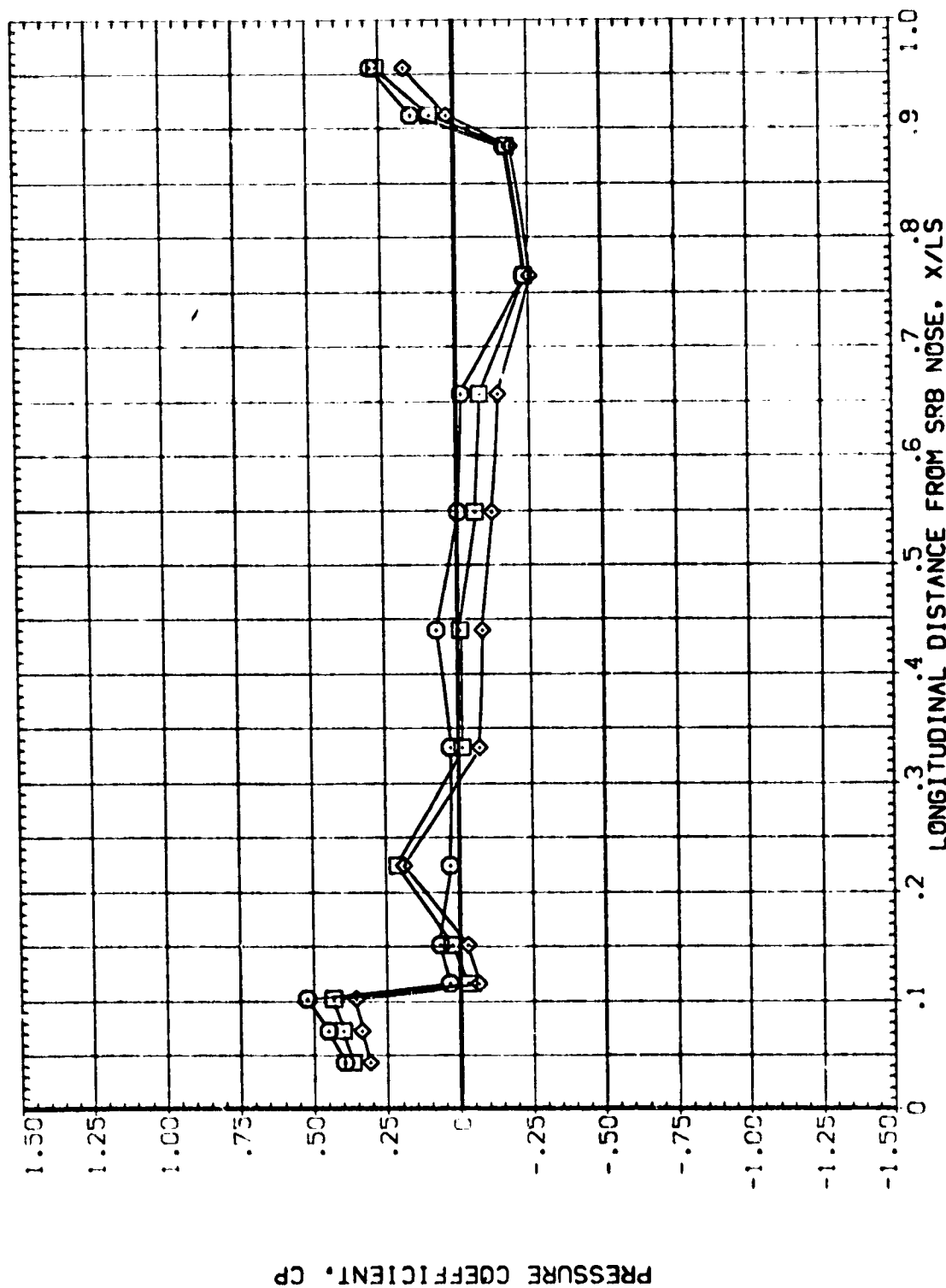
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	BETA	CONF1G	CONF1G	CONF1G
○	337.500	8.000	1.250	6.198	5.313	5.313	2.549	DELTAZ	.140	RUDDER	.000
□	360.000			.972	.000			X-SRB	.000	ORBITING	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

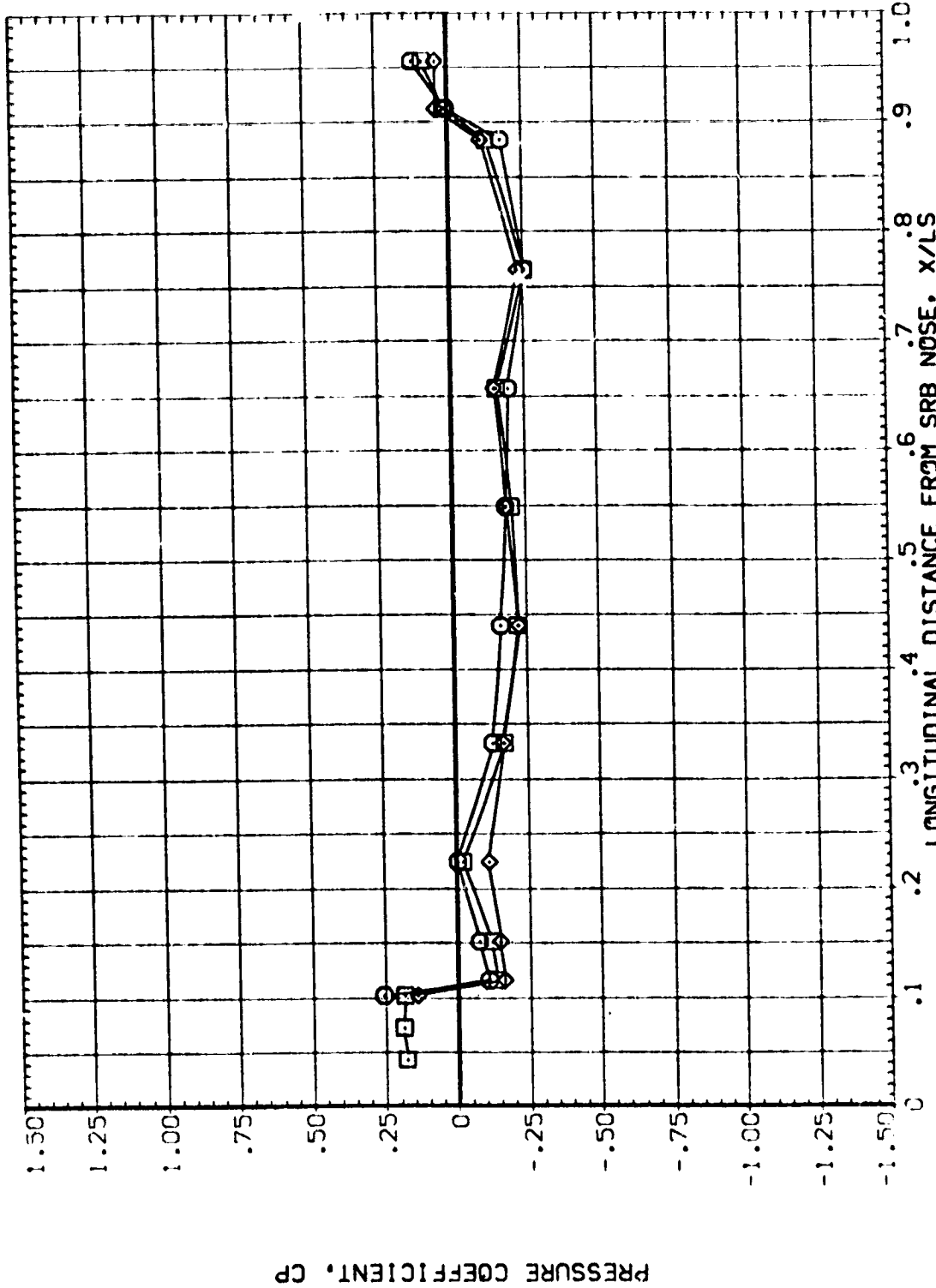
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SO IN.	BETA	CONF IG
○	.000	-8.000	1.960	LREF	5.313	DELTA Z	.000
□	22.500			BREF	5.313	X-SRB	.140
◇	45.000			YMRP	2.549		.000
				ZMRP	.972		.000
					.000		.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	CONF'G	SC.000	CONF'G
○	67.500	-8.000	1.960	6.198	5.313	5.313	2.549	DELTAZ	.140	.000	RUDER
□	90.000							X-SRB	.000	.000	ORBITAL
◇	112.500									.500	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

SMBGL

PHI
135.000
157.500
180.000

ALPHA
-8.000

0961
MACH

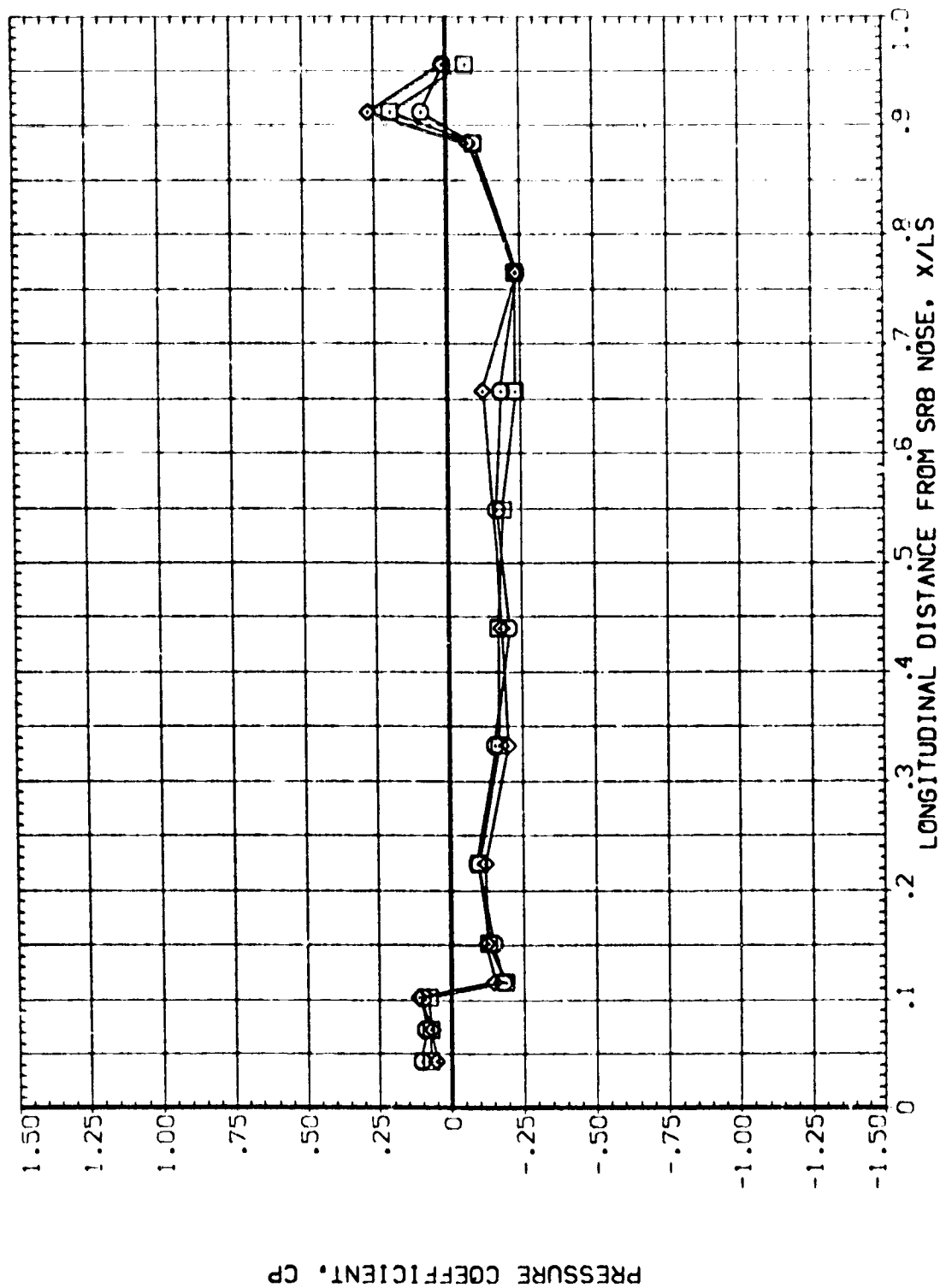
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LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

92222222

BETA
DELTA Z
X-SRB

PARAMETRIC VALUES
CONFIG .000
RUDDER .140
ORGINC .000

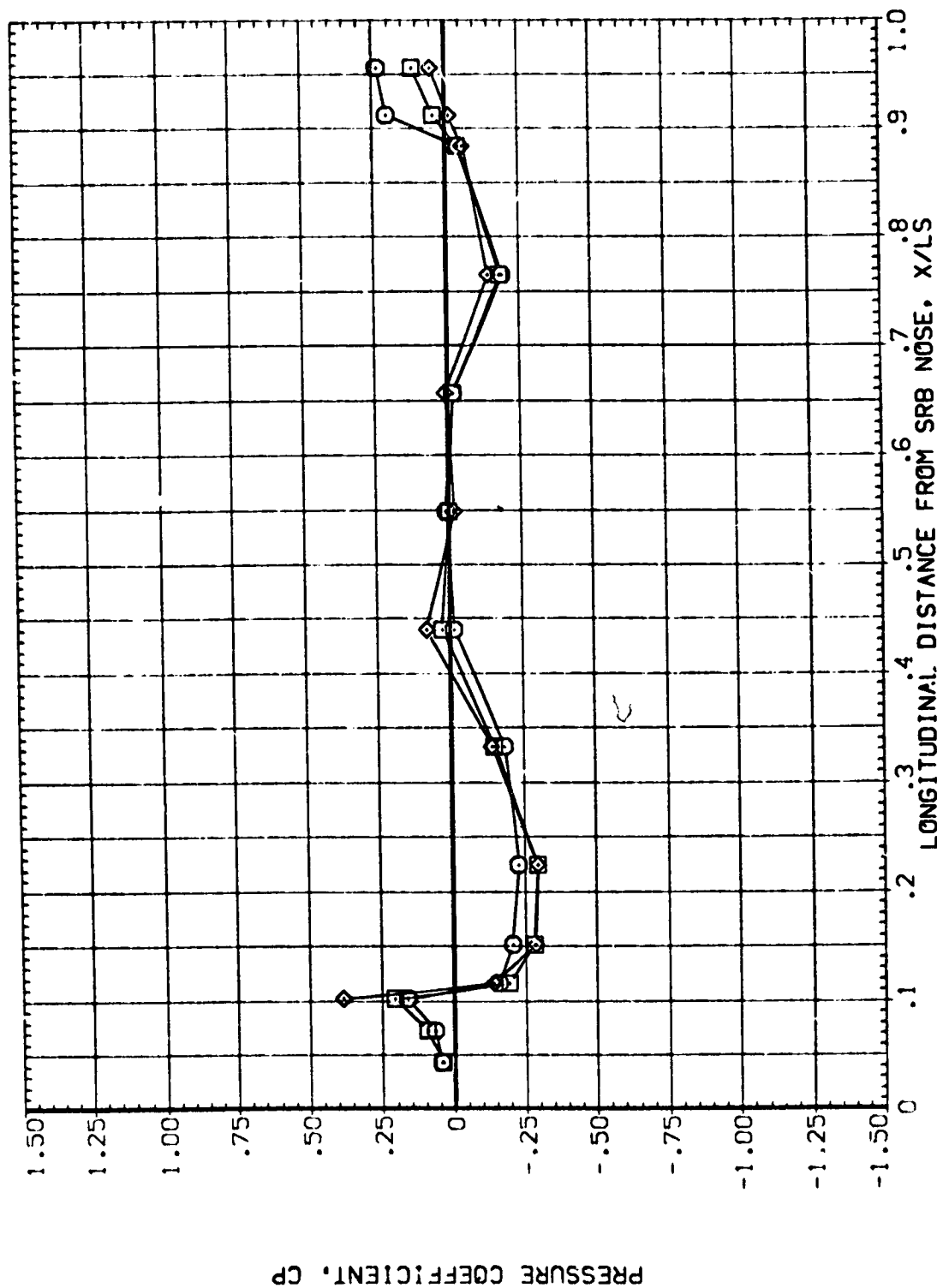
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000.
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PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

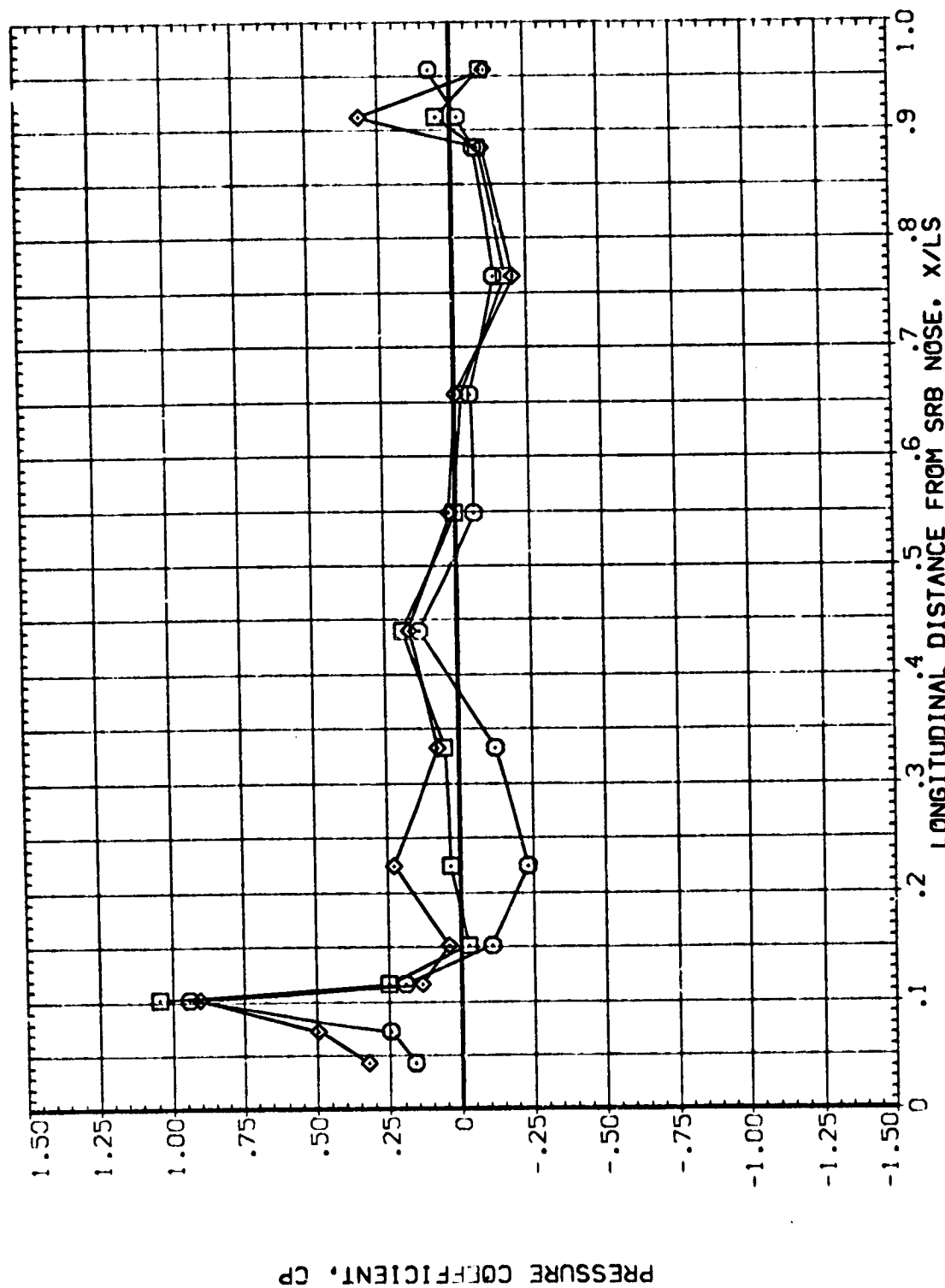
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA			PARAMETRIC VALUES		
				SREF	LREF	BREF	BETA	CONF IG	
○	202.500	-8.000	1.960	6.198	5.313	5.313	DELTA Z	.000	.000
□	225.000			2.549	2.549	2.549	X-SRB	.140	.000
◇	247.500			.972	.972	.972		.000	.500
				.000	.000	.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

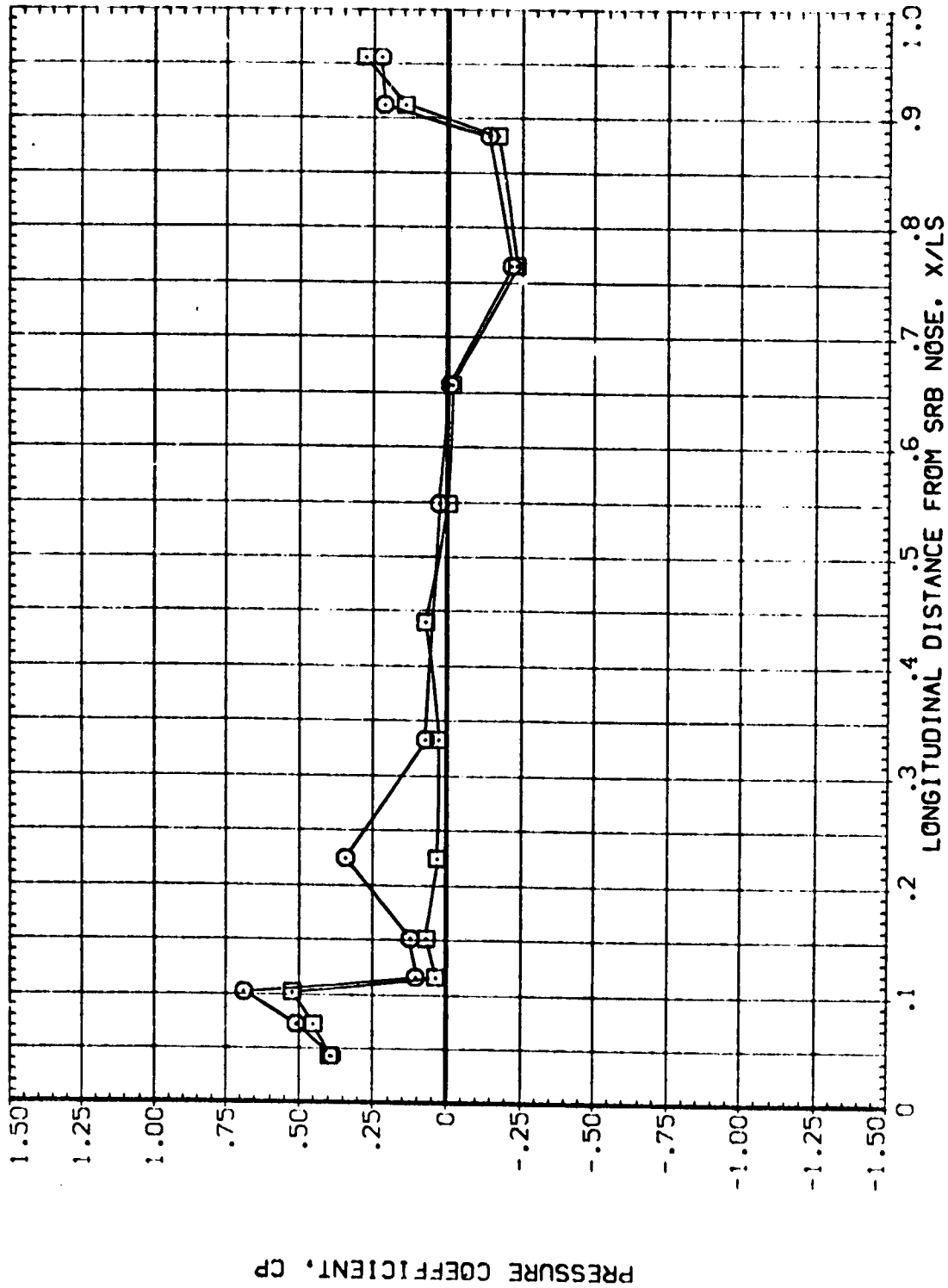
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA			PARAMETRIC VALUES		
				SREF	LREF	BREF	BETA	CONFIS	
□	270.000	-9.000	1.960	6.198	5.313	5.313	DELTA Z	.000	RUDDER
○	292.500			2.549	.972	.000	X-SRB	.140	DRB INC
◇	315.000			.000				.000	500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

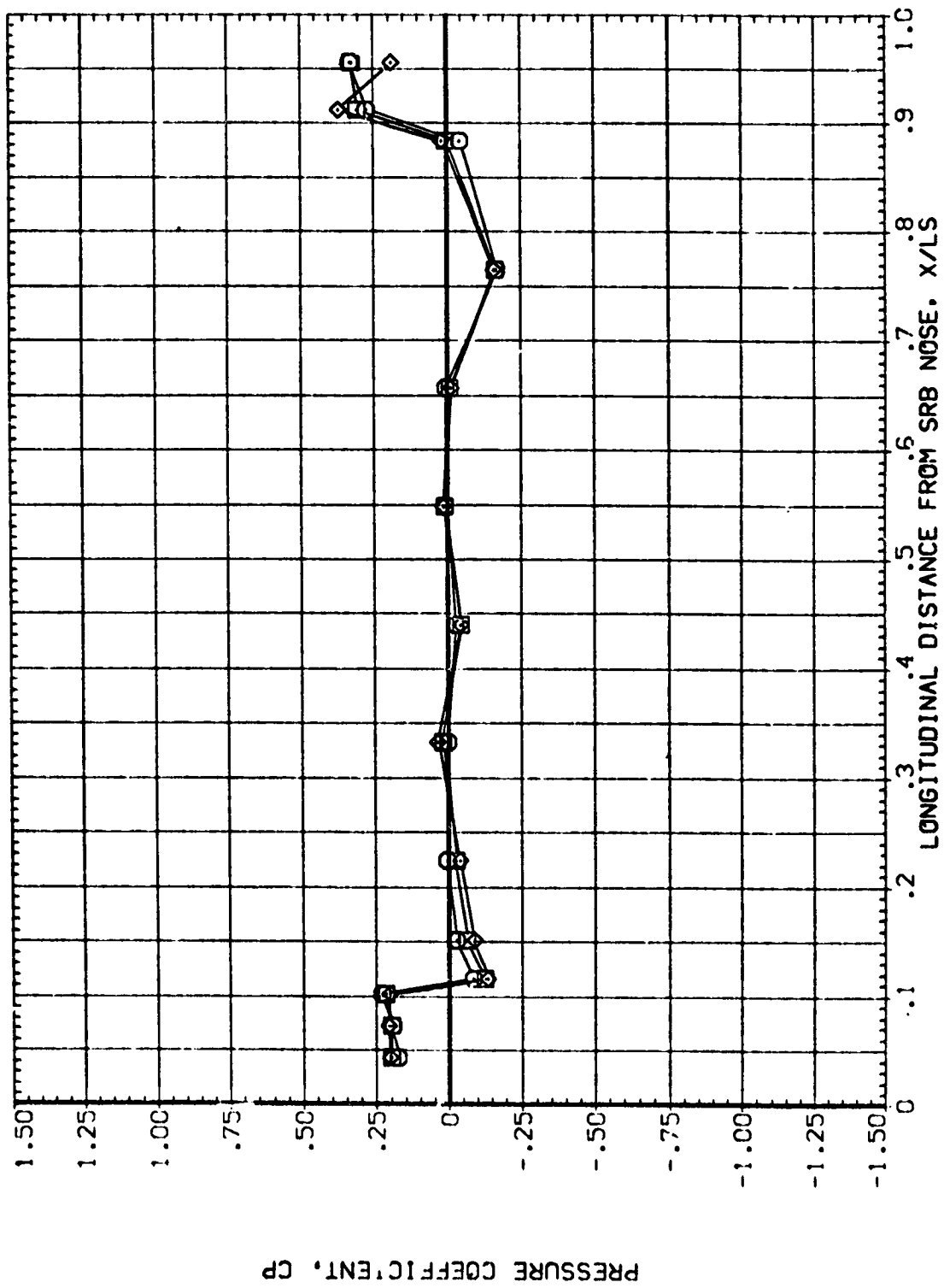
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONF	CONF	CONF
○	337.500	-8.000	1.960	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	360.000			2.972				X-SRB	.000	.000	.500
				ZREF							



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

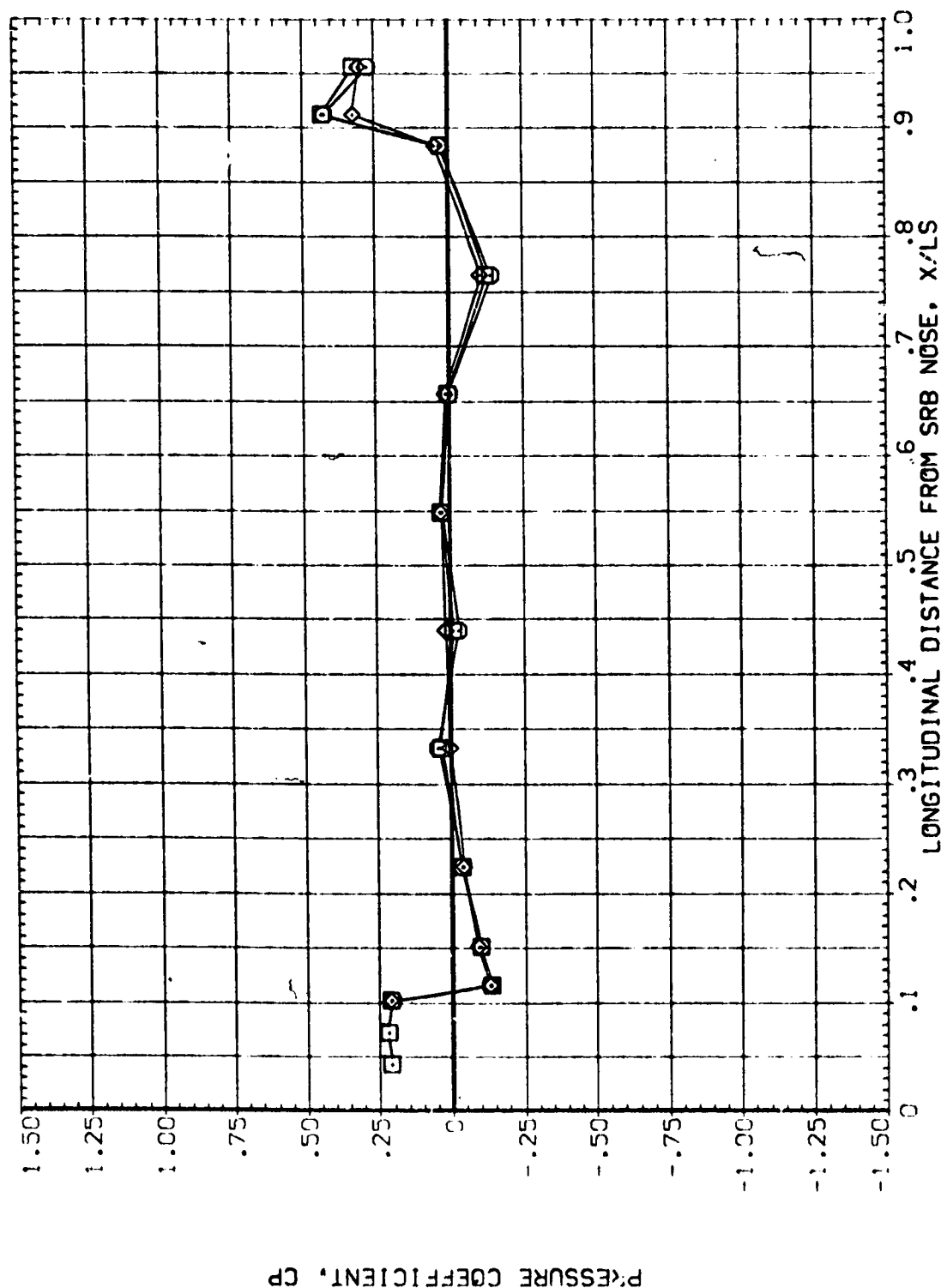
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA						PARAMETRIC VALUES				
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	SO. IN.	BETA	CONFIG	RUDDER	CRB INC
○	.000	.000	1.960	6.198	5.313	5.313	2.549	.972	.000	IN.	DELTA Z	.000	.140	.000
□	22.500									IN.	X-SRB			.500
◇	45.000									IN.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

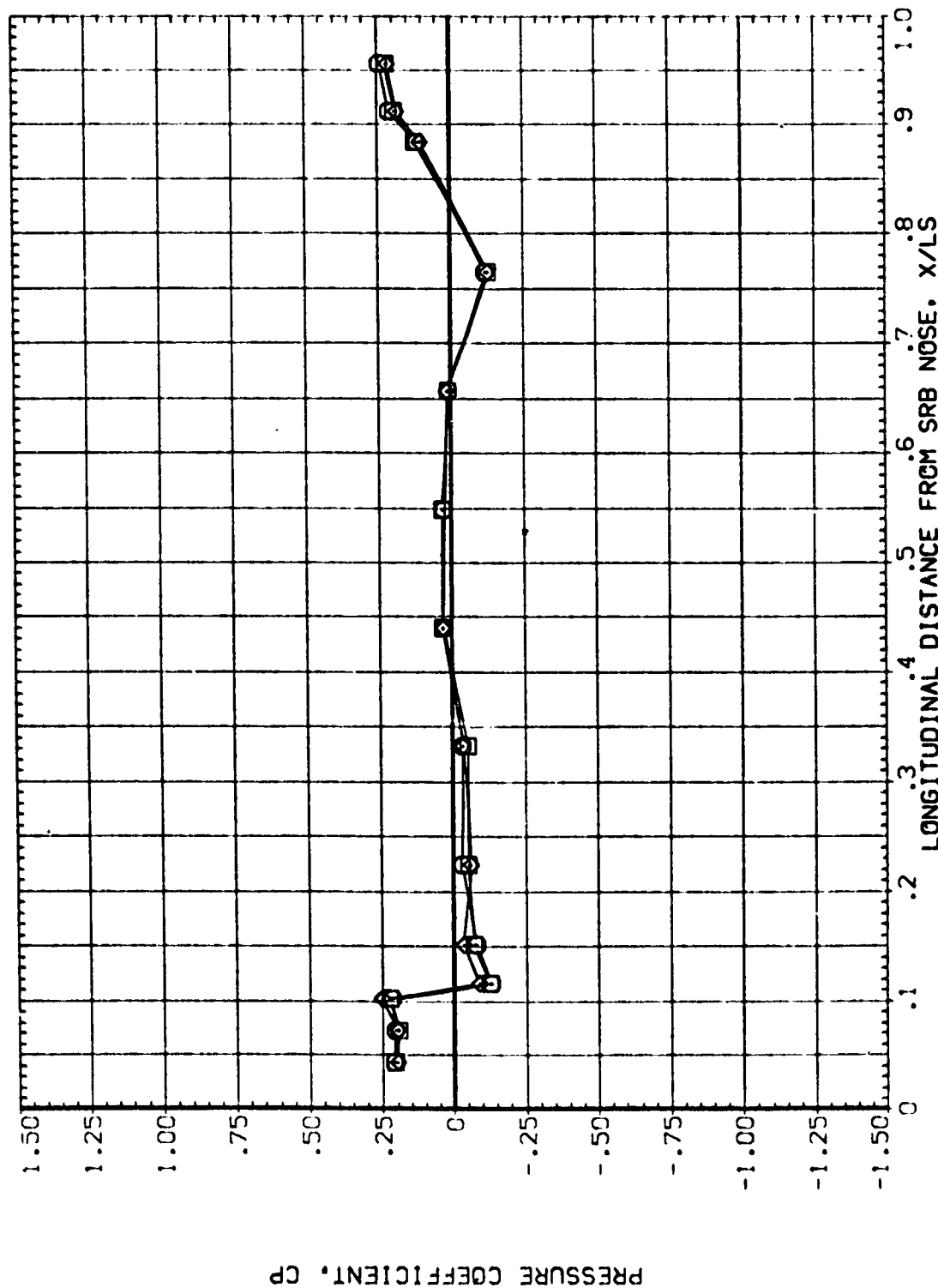
MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

PARAMETER	VALUE	UNIT	REFERENCE DATA	PARAMETER	VALUE	UNIT
PHI	67.500		SREF	6.198	IN.	
ALPHA	.000		LREF	5.313	IN.	
MACH	1.960		BREF	5.313	IN.	
CONF IG	90.000		XMRP	2.549	IN.	
RUDDER	.000		YMRP	.972	IN.	
ORBIT INC	.500		ZMRP	.000	IN.	



MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

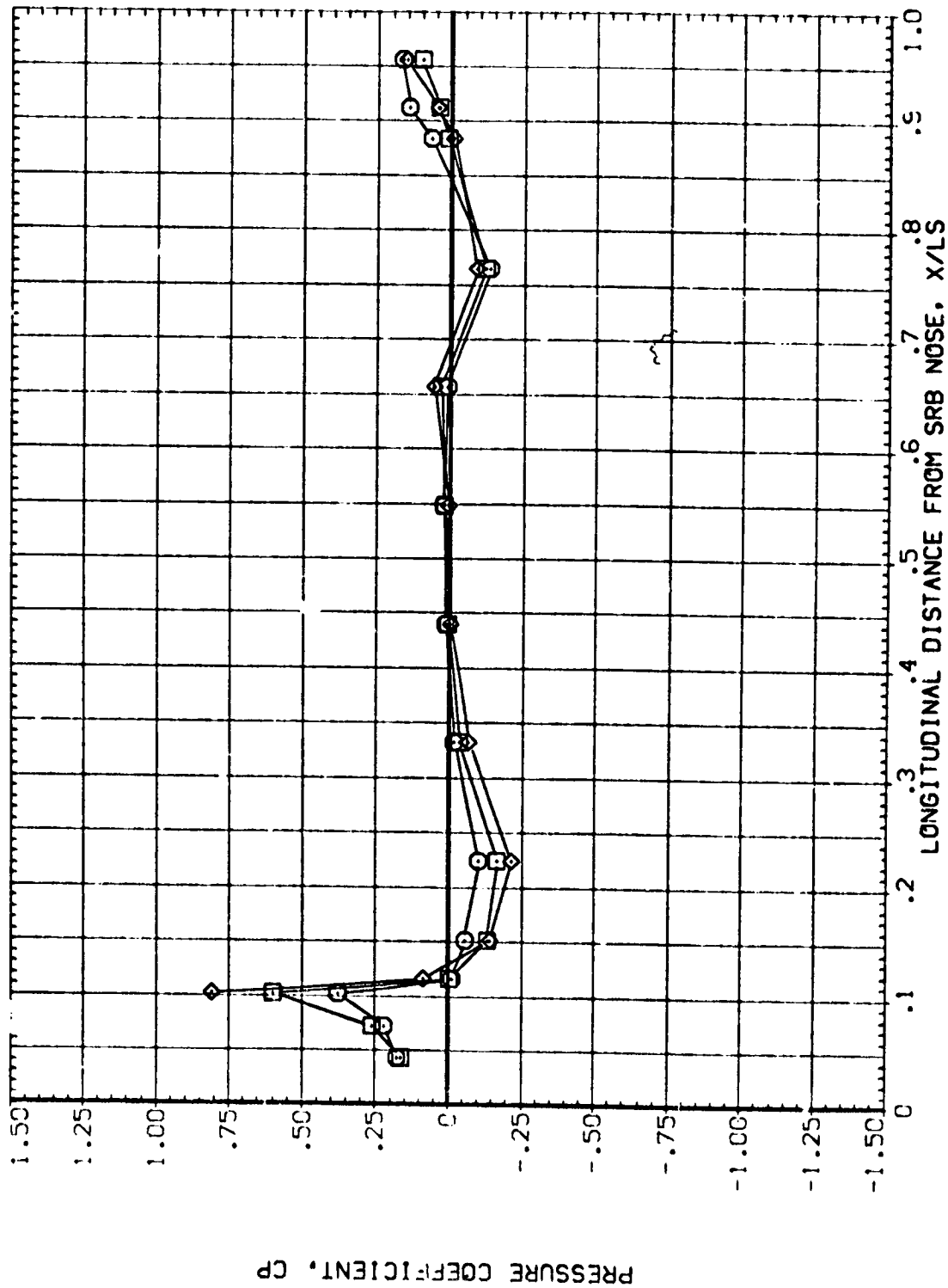
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		BETA		PARAMETRIC VALUES	
				SREF	6.198	SO. IN.	DELTA Z	.000	CONFIS
□	135.000	.000	1.960	LREF	5.313	IN.	X-SRB	.140	RUDDER
□	157.500			BREF	5.313	IN.		.000	ORBIT INC
◇	180.000			XPRP	2.545	IN.			
				YPRP	.972	IN.			
				ZPRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

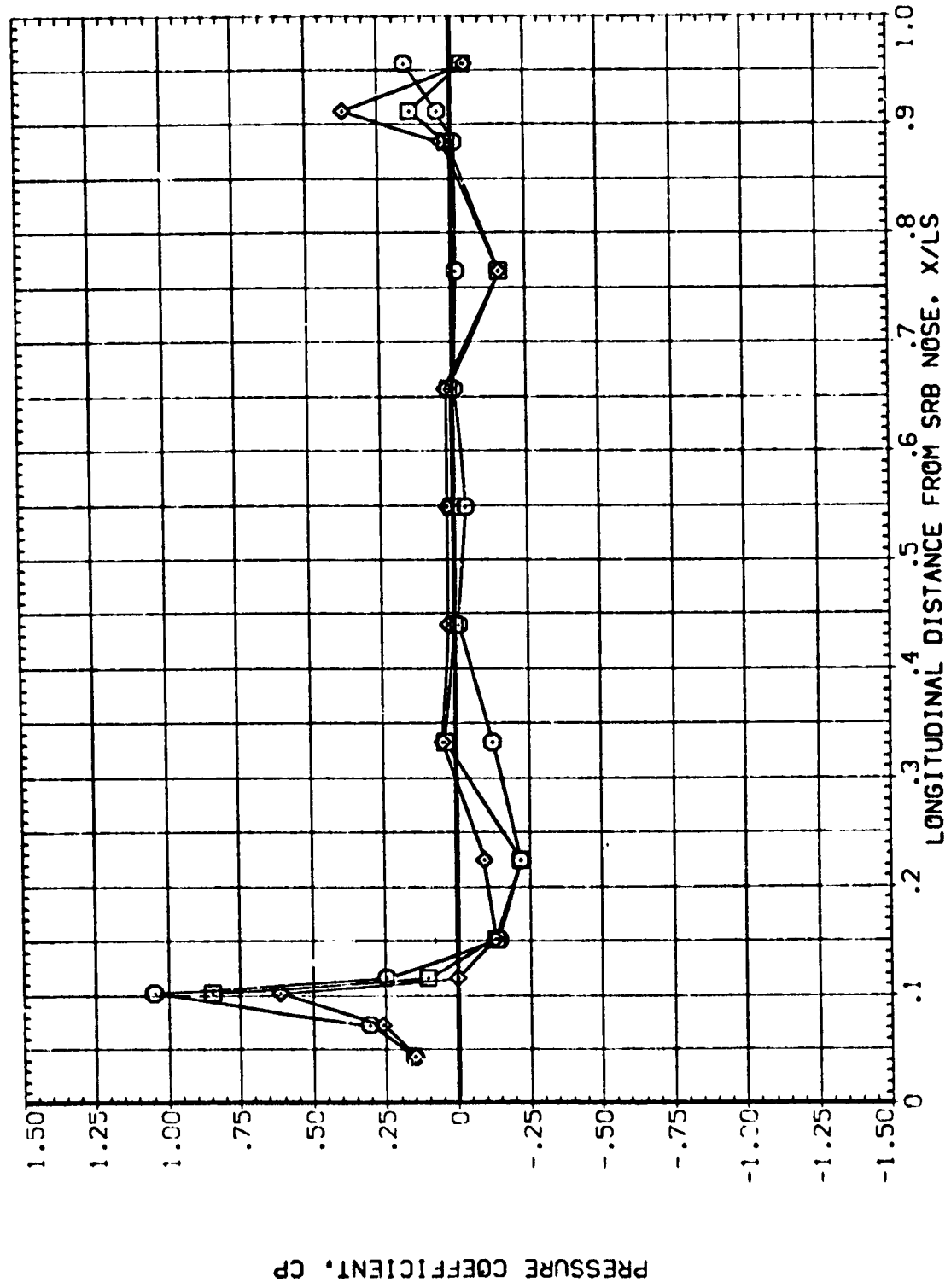
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	SQ. IN.	BETA
○	202.500	.000	1.960	6.198	5.313	5.313	2.545	.972	.000	90.000	CONF IG
□	222.000									.000	RUDDER
◇	247.500									.000	DRB INC



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

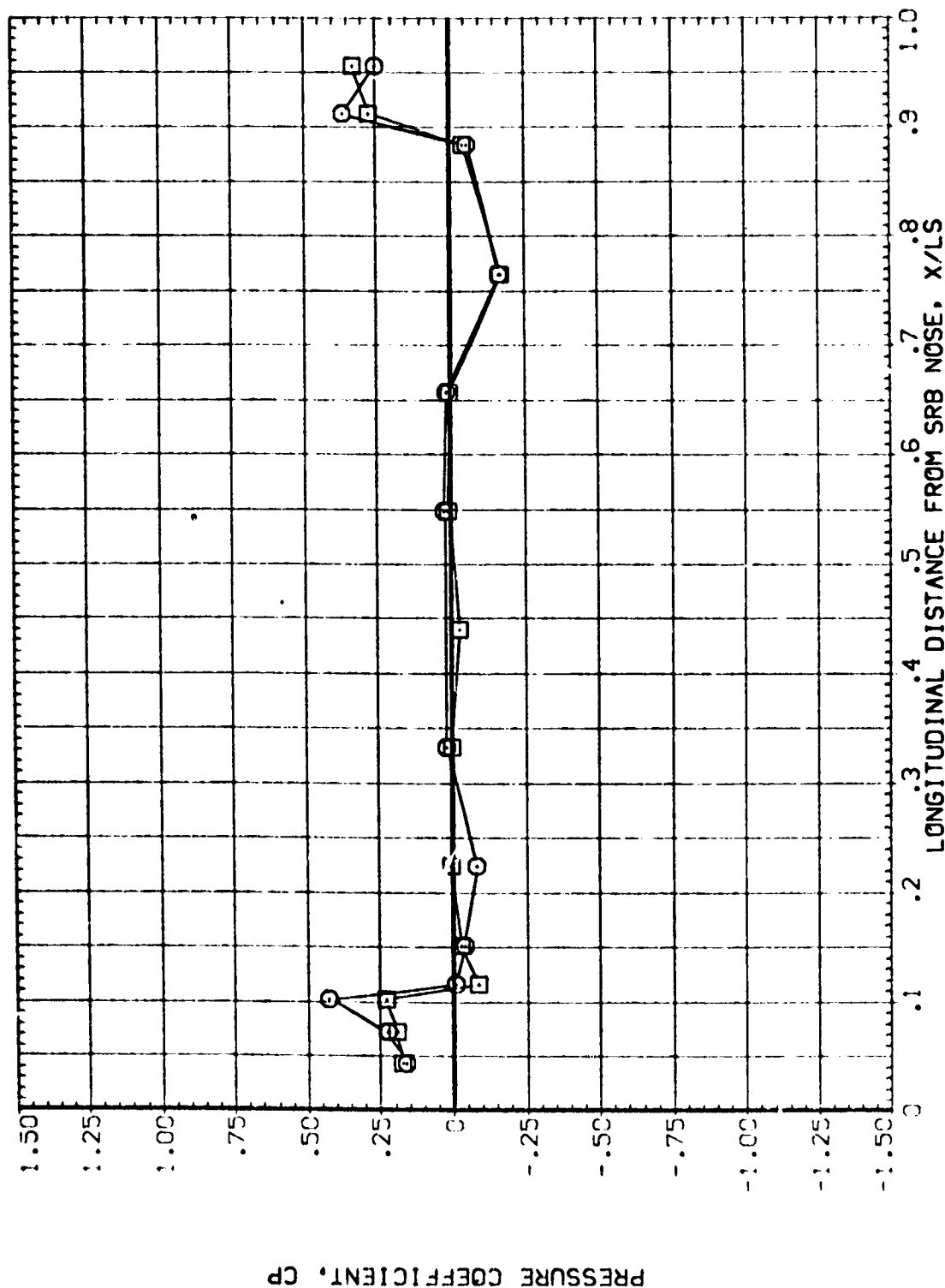
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	CONFIG	RUDDER	
○	270.000	.000	1.960	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	90.000
□	292.500						.972	X-SRB	.000	.000	.000
◇	315.000						.000			.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

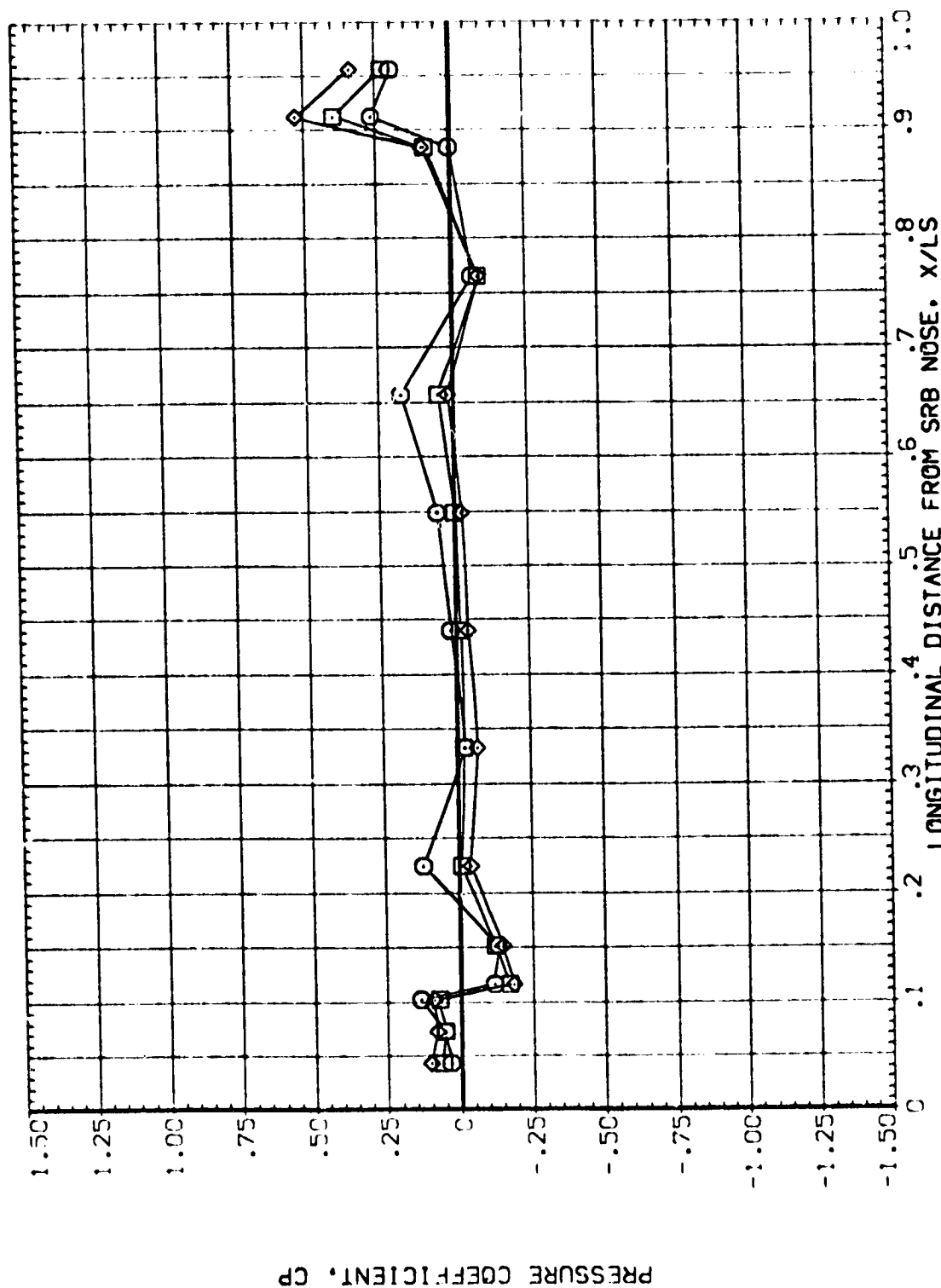
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	BETA	CONF IG	90.000
	337.500	.000	1.960	LREF	5.313	DELTA Z	.140	.000
	360.000			BREF	5.313	X-SRB	.000	.500
				XMRP	2.549			
				YMRP	.972			
				ZMRP	.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

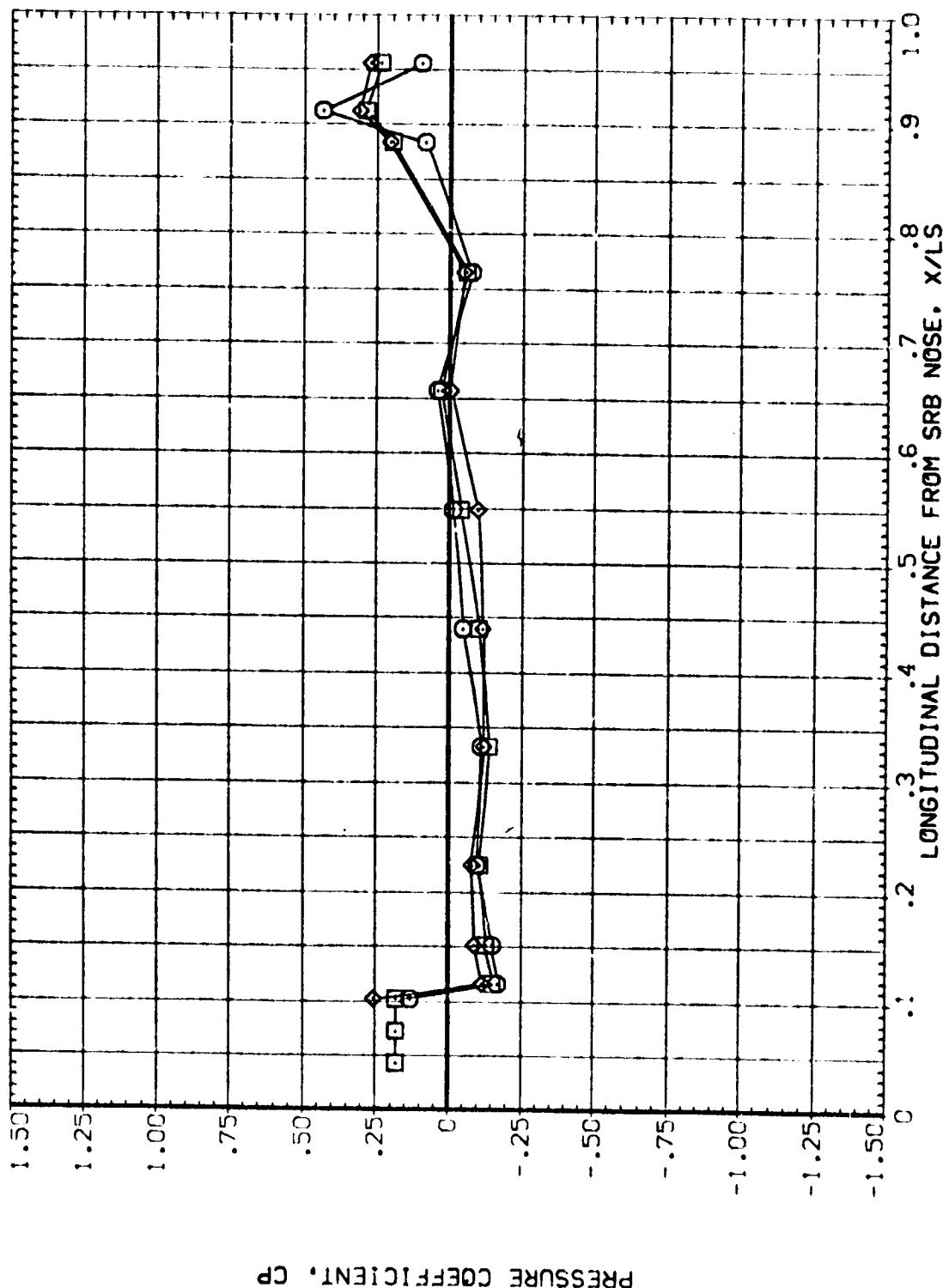
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	SO. IN.	BETA
◇	.000	8.000	1.960	6.198	5.313	5.313	2.549	.972	.000	IN.	DELTAZ
□	22.500									IN.	X-SRB
◇	45.000									IN.	ORBITAL



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

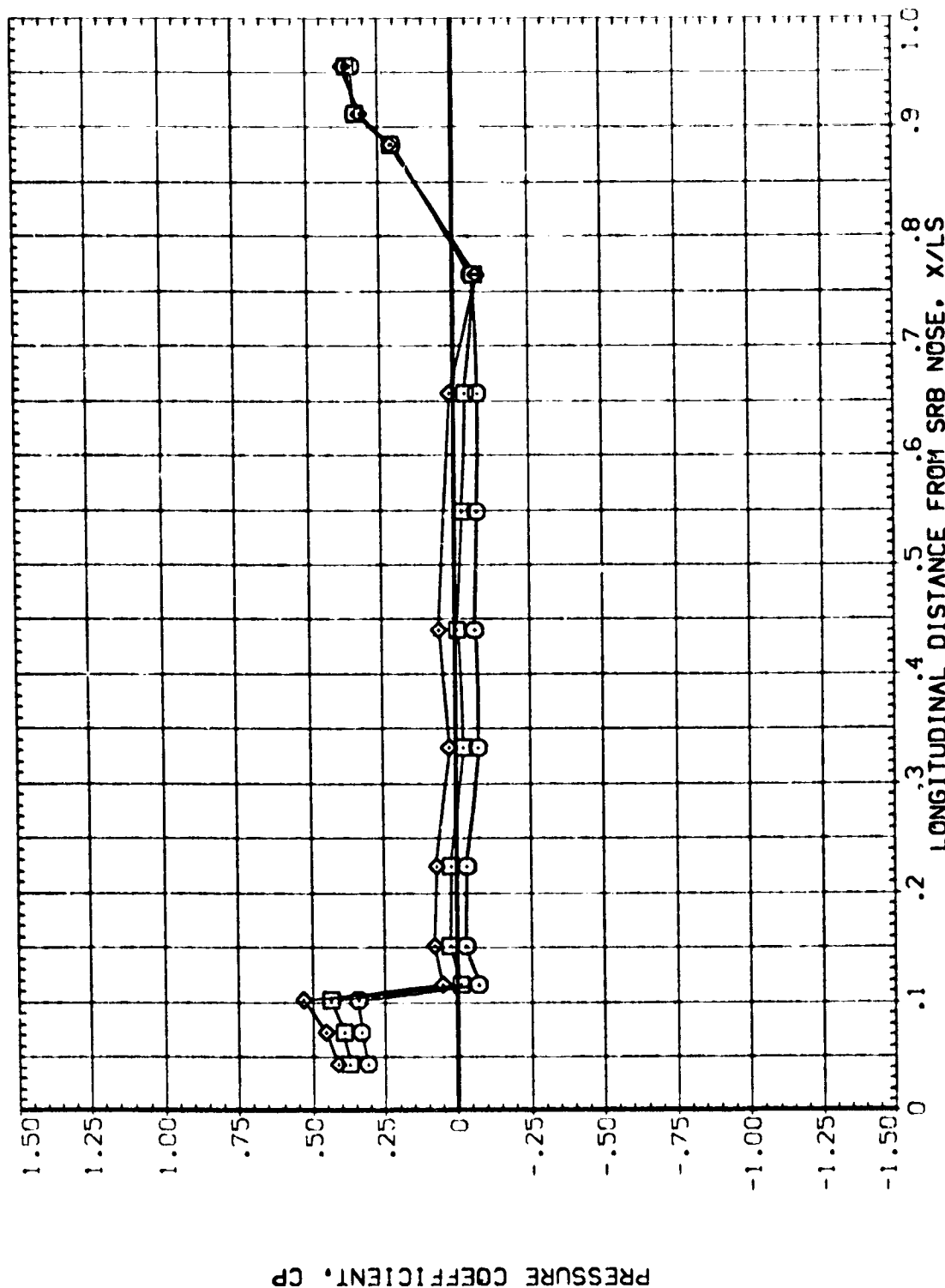
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SO. IN.	BETA	CONF IG	90.000
□	67.500	8.000	1.960	LREF	5.313	IN.	DELTA Z	RUDDER	.000
◇	90.000			BREF	5.313	IN.	X-SRB	ORRINC	.500
	112.500			YMRP	2.549	IN.			
				ZMRP	.972	IN.			
					.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	BETA	CONF IG	90.000
○	135.000	8.000	1.960	LREF	5.313	IN.	DELTA Z	PLUDDER	.000
□	157.500			SREF	5.313	IN.	X-SRB	DRB INC	.500
◇	180.000			XPRP	2.545	IN.			
				YPRP	.972	IN.			
				ZPRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

WSFC 56711A32E] T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

5148

PHI
202.500
225.000
247.500

PHI
202.500
225.000
247.500

PHI
202.500
225.000
247.500

ALPHA 8.0000

MACH
1.960

REFERENCE DATA	
SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

REFERENCE DATA	
SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

REFERENCE DATA	
SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

REFERENCE DATA	
SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

REFERENCE DATA	
SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

REFERENCE DATA	
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LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

REFERENCE DATA	
SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

[illegible]

BETA
DELTA
X-SRB

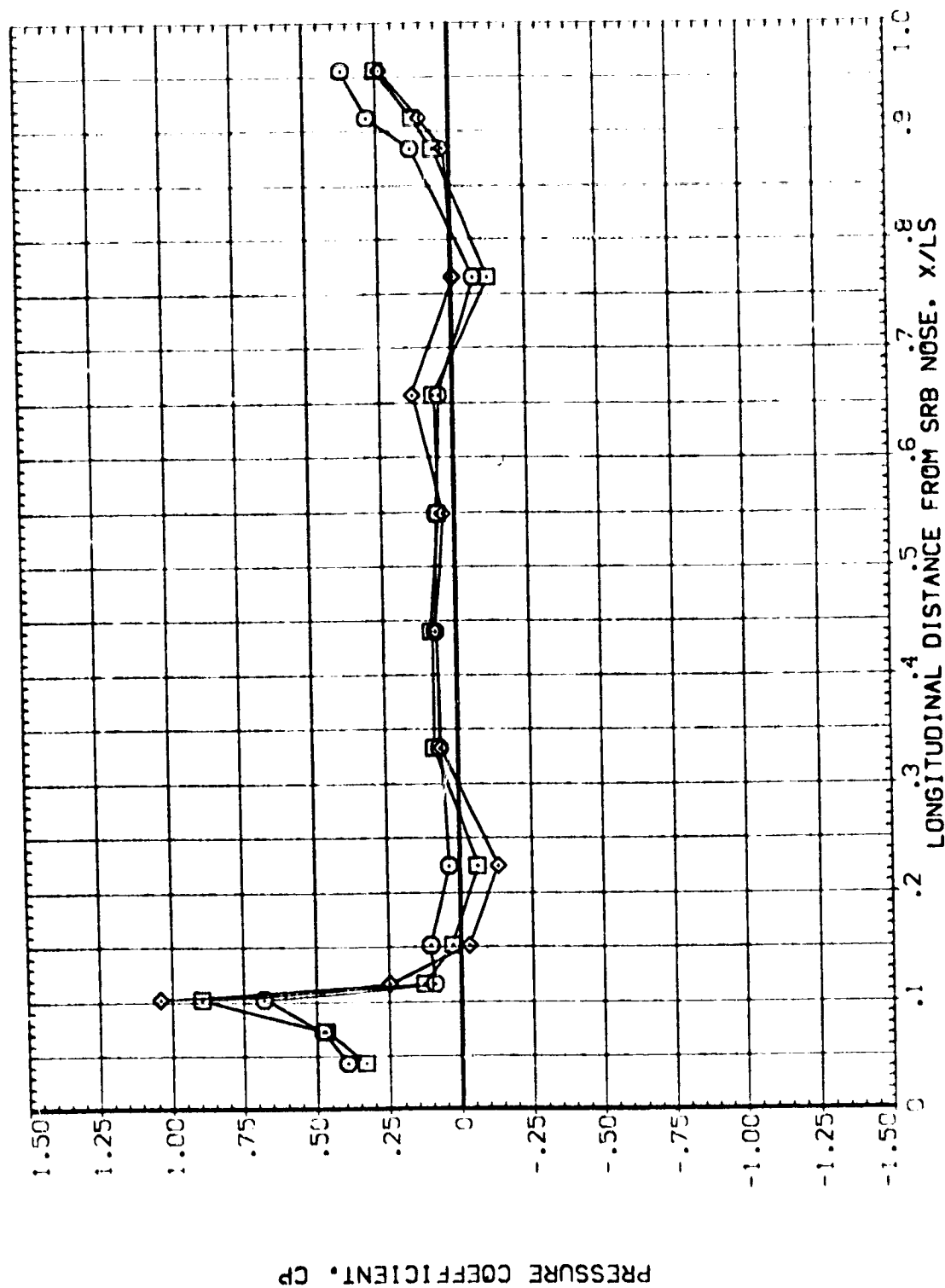
PARITY VALUES

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500.

90.000
200.
500.

90.000
200.
500.

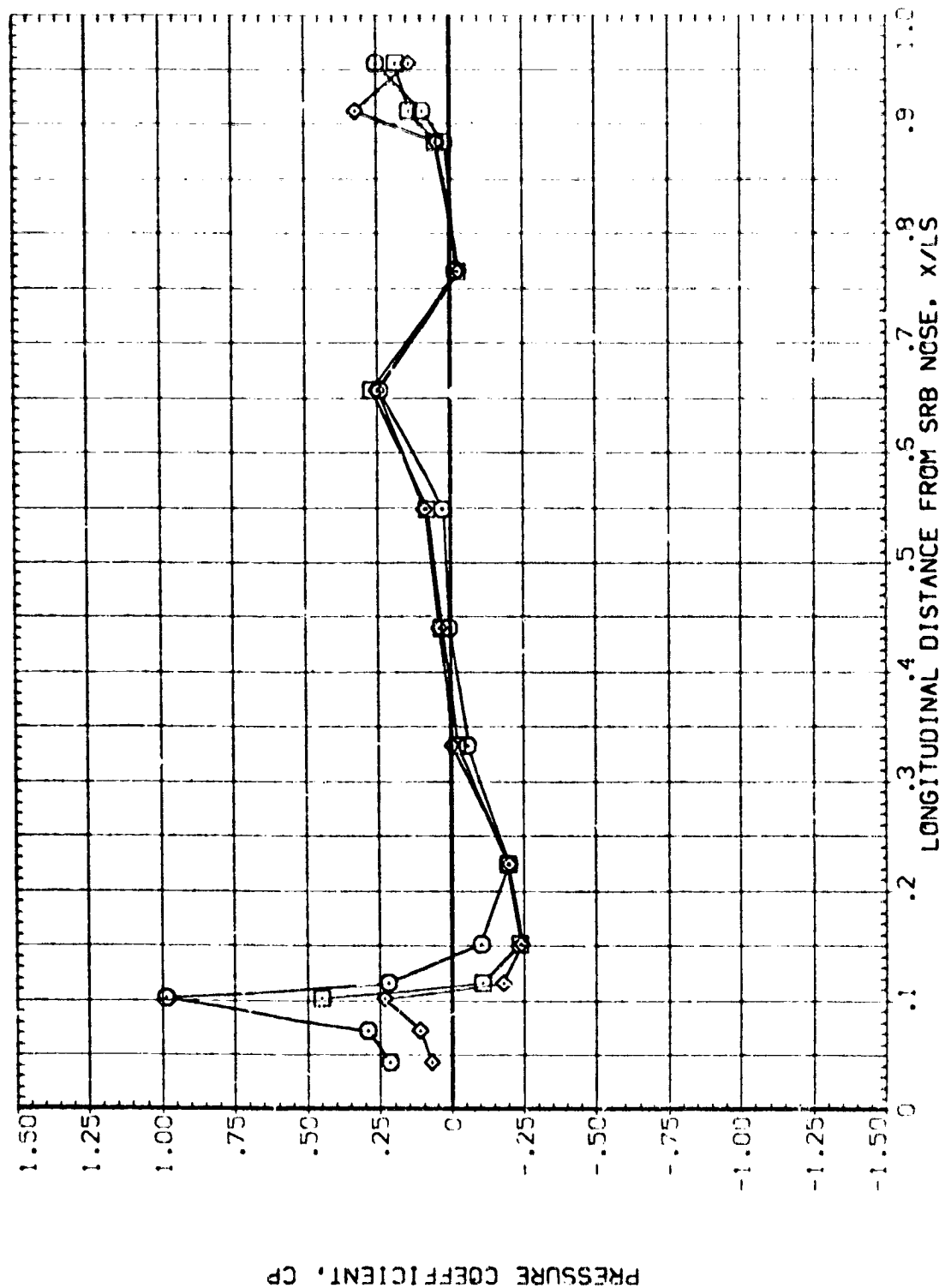
90.000
200.
500.



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

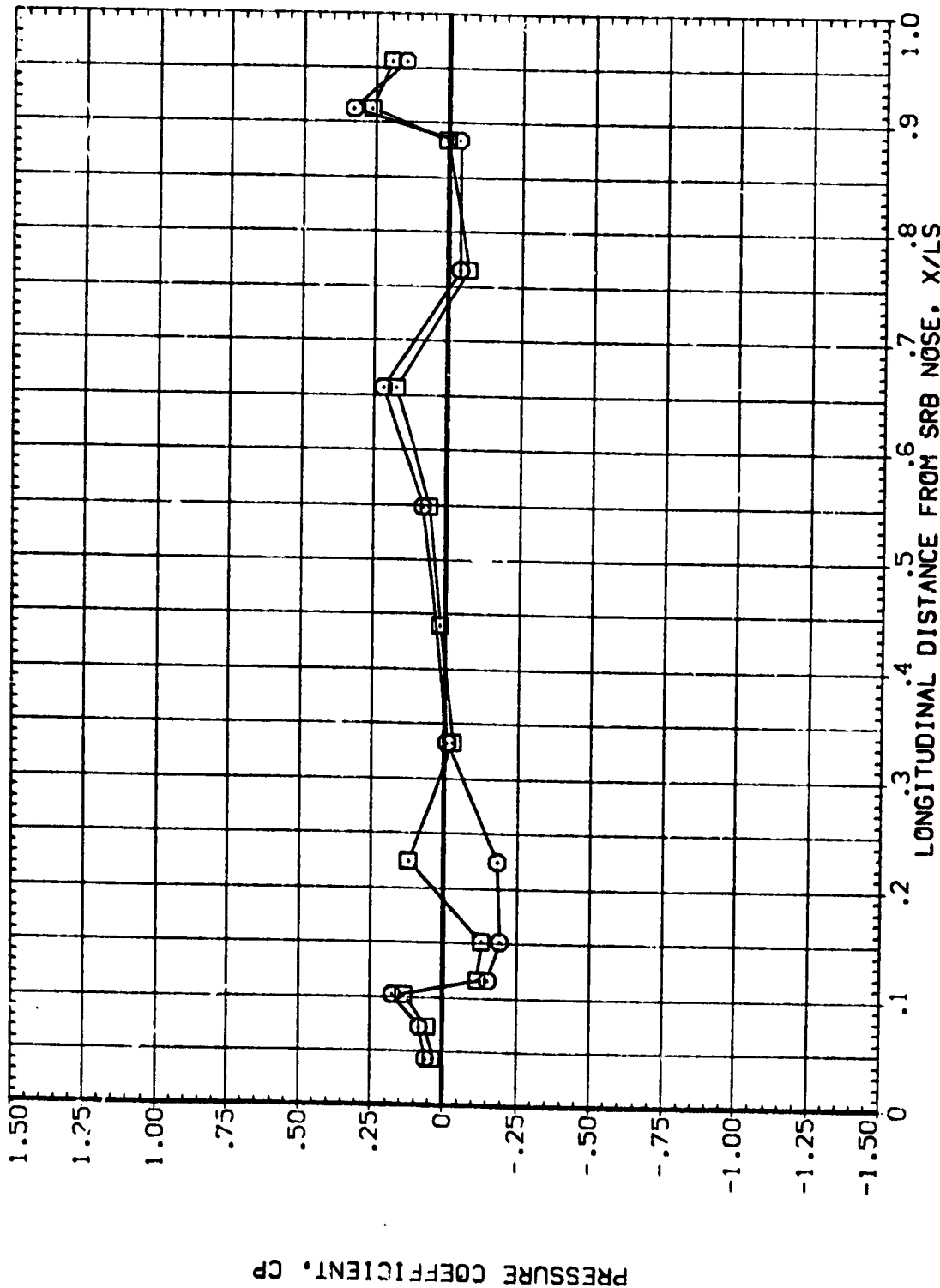
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	BETA	CONF IG
○	270.000	8.000	1.960	6.198	5.313	5.313	2.549	.972	.000	DELTA Z	CONF IG
□	292.500									X-SRB	RJDER
◇	315.000										ORBNIC
											.000
											.140
											.000
											.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 V3 SRM BOOSTER (A82S01)

SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA	BETA	PARAMETRIC VALUES
○	337.500	8.000	1.960	SREF 6.198	CONF 16	90.000
□	360.000			LREF 5.313	CONF 16	.000
				BREF 5.313	CONF 16	.000
				XREF 2.343	CONF 16	.000
				YREF .972	CONF 16	.000
				ZREF .000	CONF 16	.500

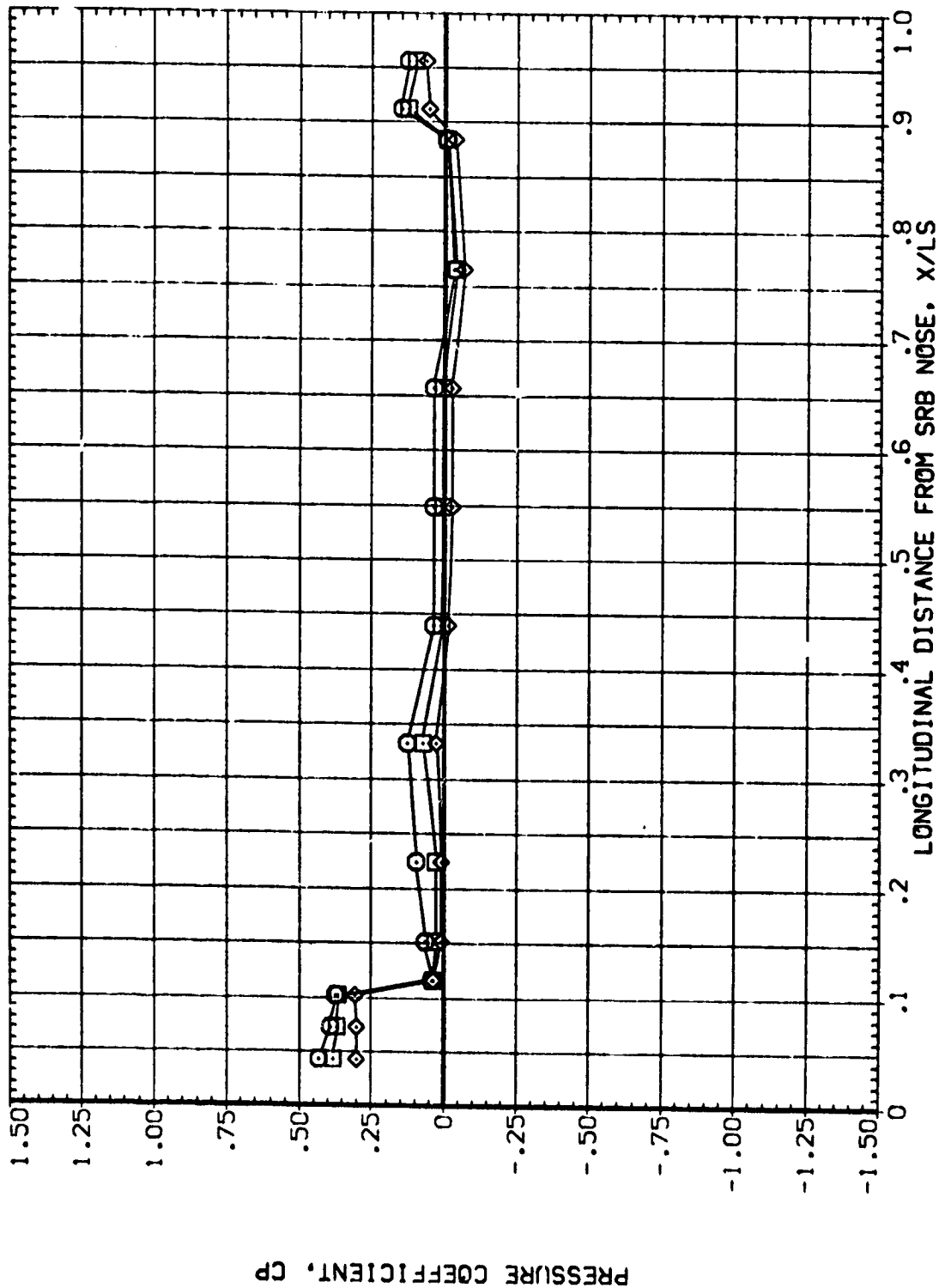


LONGITUDINAL DISTANCE FROM SRB NOSE, X/L

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

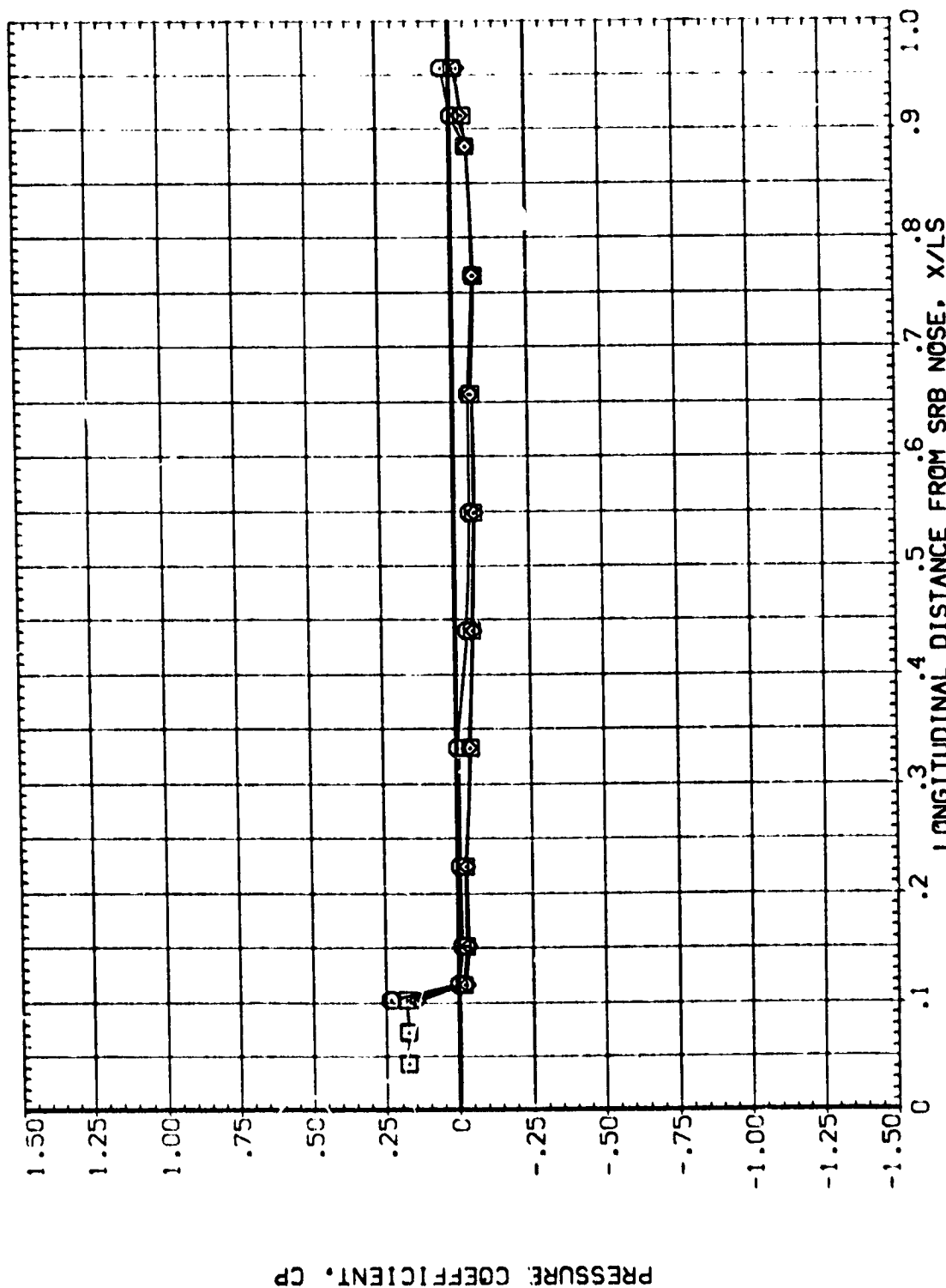
SYMBOL	PHI		ALPHA		MACH		REFERENCE DATA		BETA		PARAMETRIC VALUES	
	0	22.500	0.000	-8.000	3.500		SREF	5.198	50. IN.	DELTA Z	CONFIG	90.000
							LREF	5.313	IN.	X-SRB	RUDDER	.000
							YMRP	2.549	IN.		ORBITAL	.500
							ZMRP	.972	IN.			
								.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

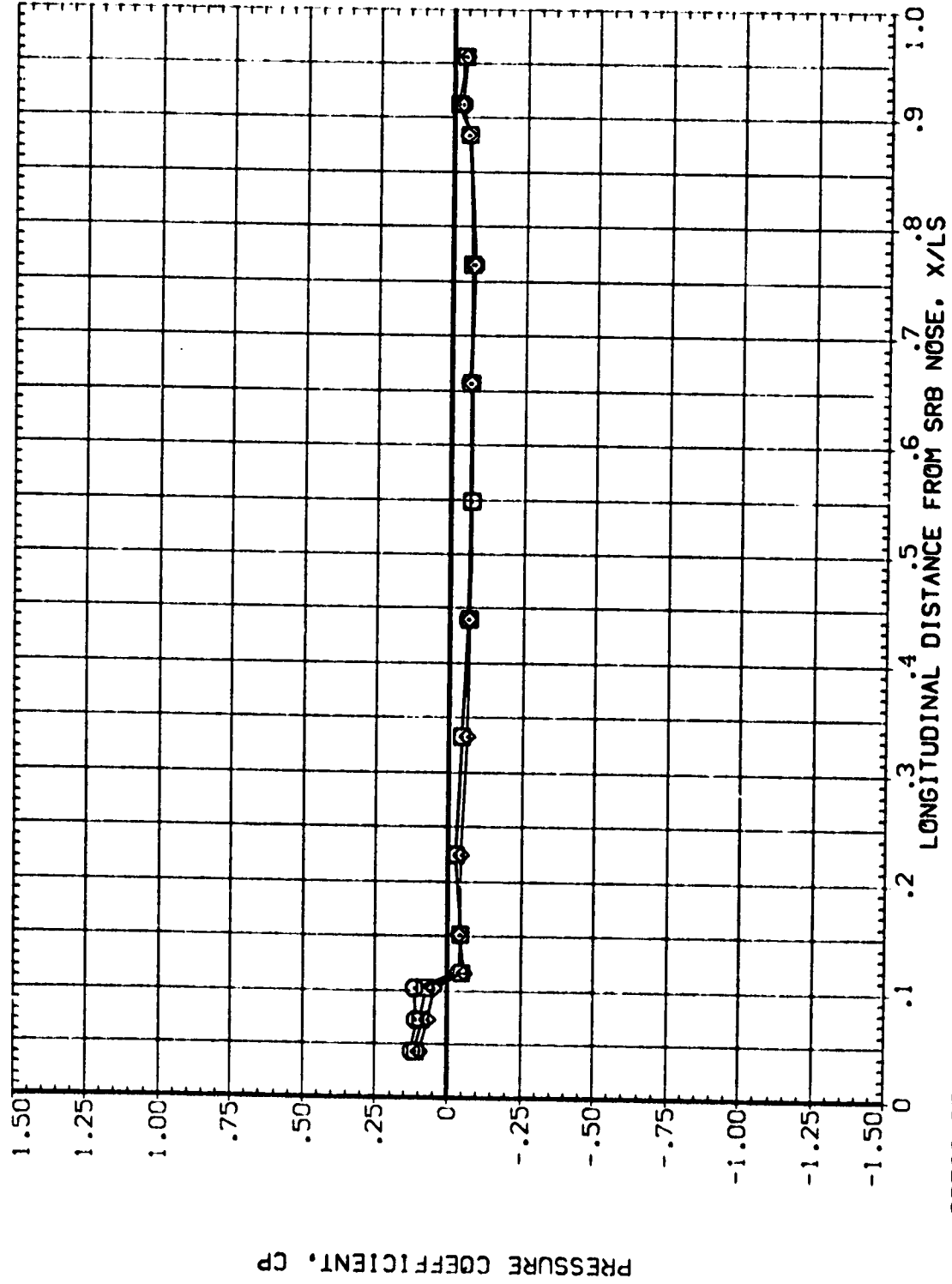
SYMBOL	PHI		ALPHA		MACH		REFERENCE DATA				PARAMETRIC VALUES			
	67.500	90.000	-8.000	-8.000	3.500	3.500	SREF	LREF	BREF	XMRP	YMRP	ZMRP	6.198	5.313
◇	90.000	112.500					5.313	5.313	2.549	.972	.000		.000	.000
□													.140	.000
○													.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

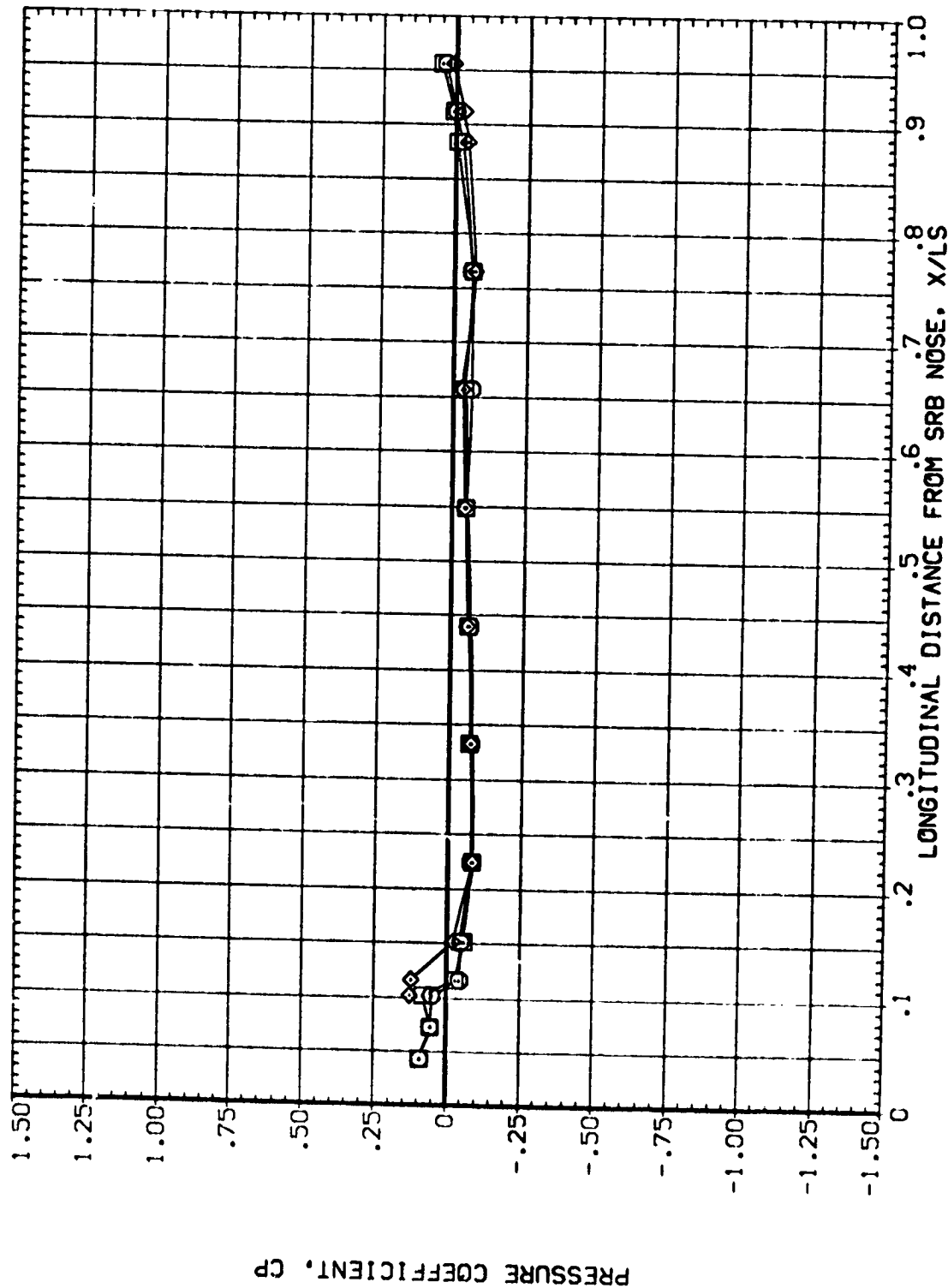
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.199	BETA	.000	CONF IG	90.000
□	135.000	-8.000	3.500	LREF	5.313	DELTA Z	.140	RUDDER	.000
◇	157.500			BREF	5.313	X-SRB	.000	DRB INC	.500
	190.000			XPRP	2.549				
				YPRP	.572				
				ZPRP	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

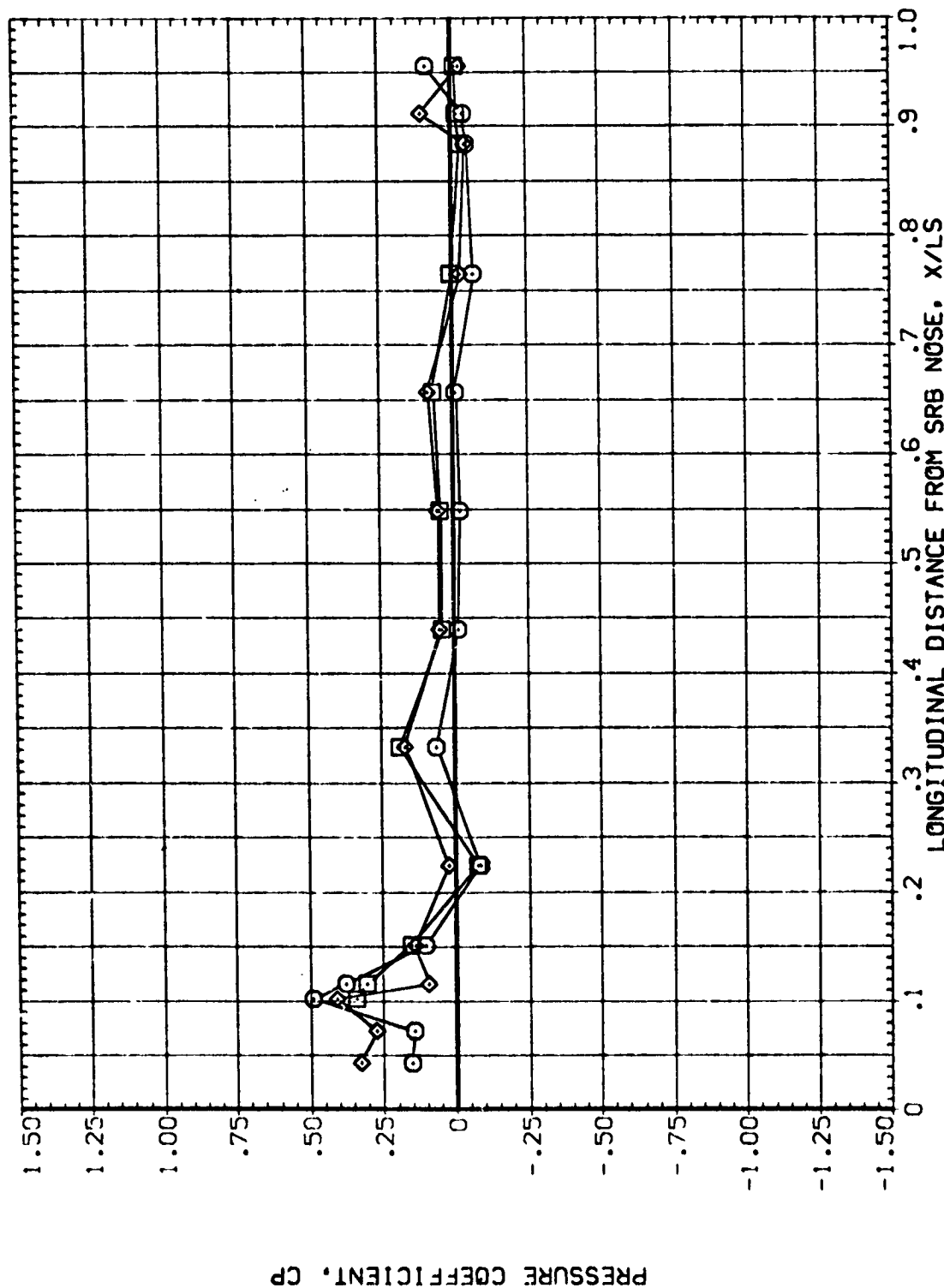
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	BETA	CONF IG		
○	202.500	-8.000	3.500	6.198	DELTA Z	.000	ORBIT	90.000
□	225.000			5.313	X-SRB	.140		.000
◇	247.500			2.549		.000		.500
				VMRP				
				ZMRP				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

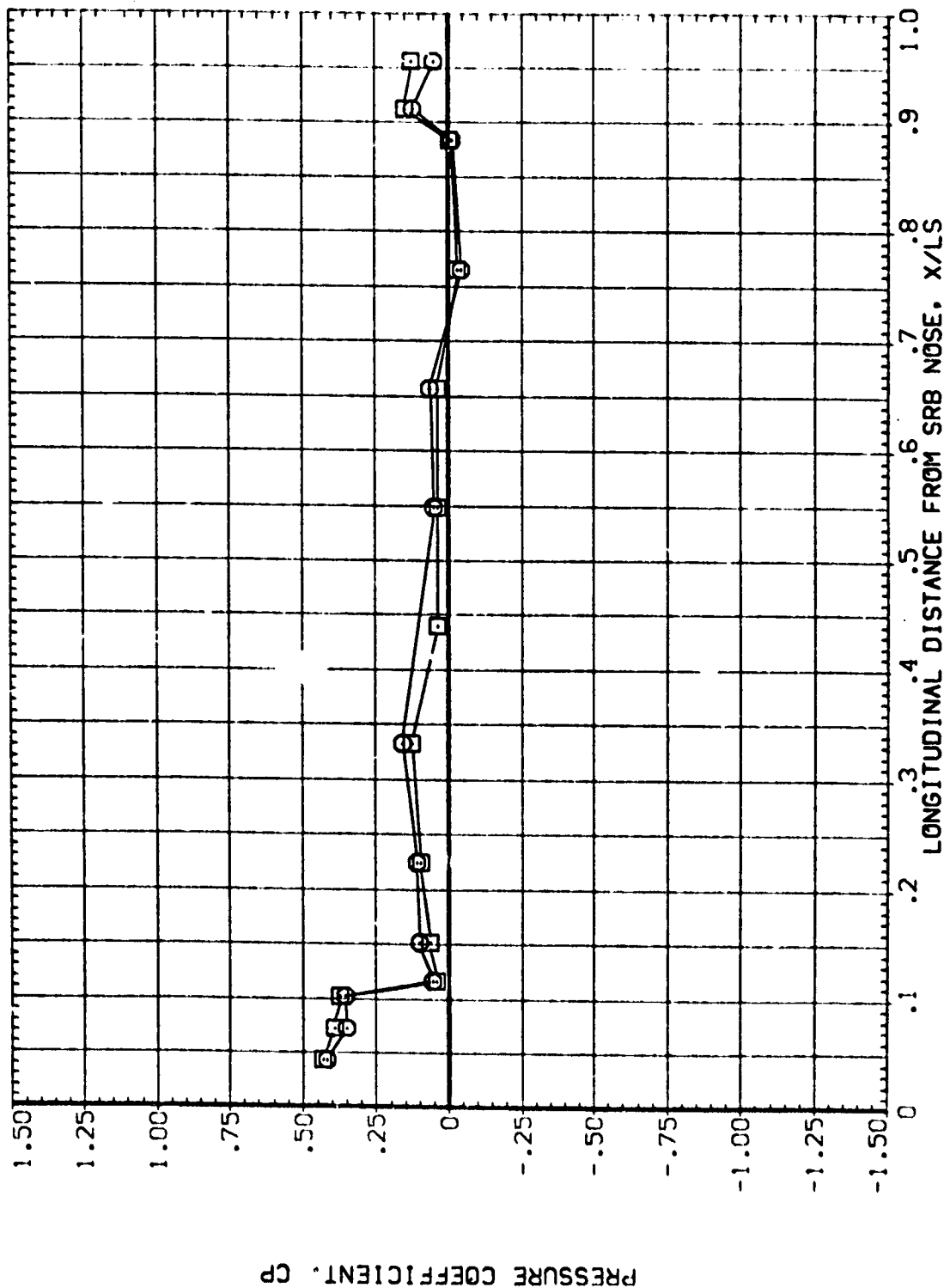
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	LREF	BETA	CONFIS	RUDDER	ORBIT
○	270.000	-8.000	3.500	6.198	5.313	DELTA Z	.000	.140	.000
□	292.500			5.313	2.549	X-SRB	.000	.000	.500
◇	315.000			.972	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

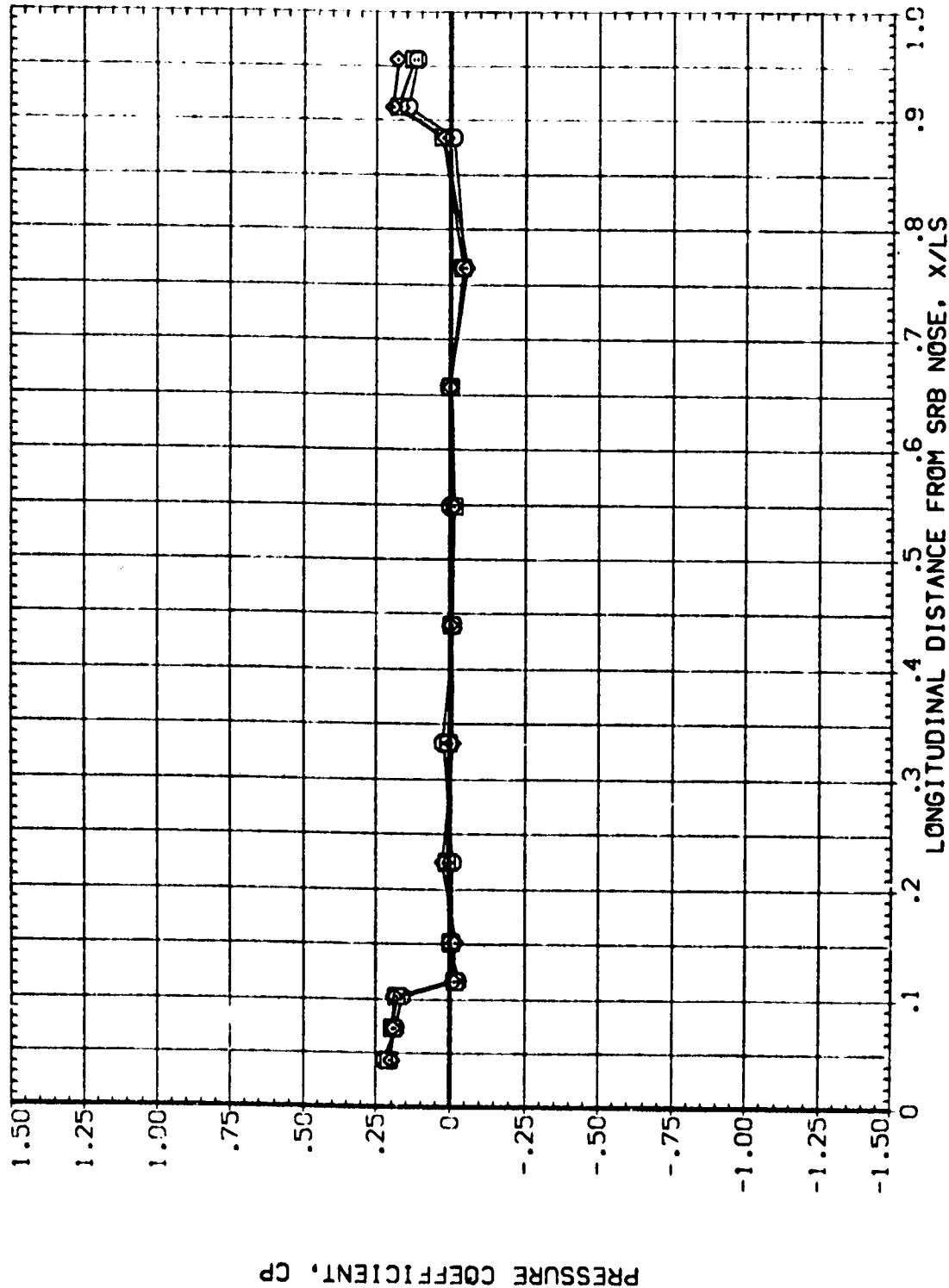
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	BETA	CONF IG	
□	337.500	-8.000	3.500	6.198	DELTA Z	.000	90.000
□	360.000			5.313	X-SRB	.140	.000
				5.313		.000	.500
				2.549			
				.972			
				.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

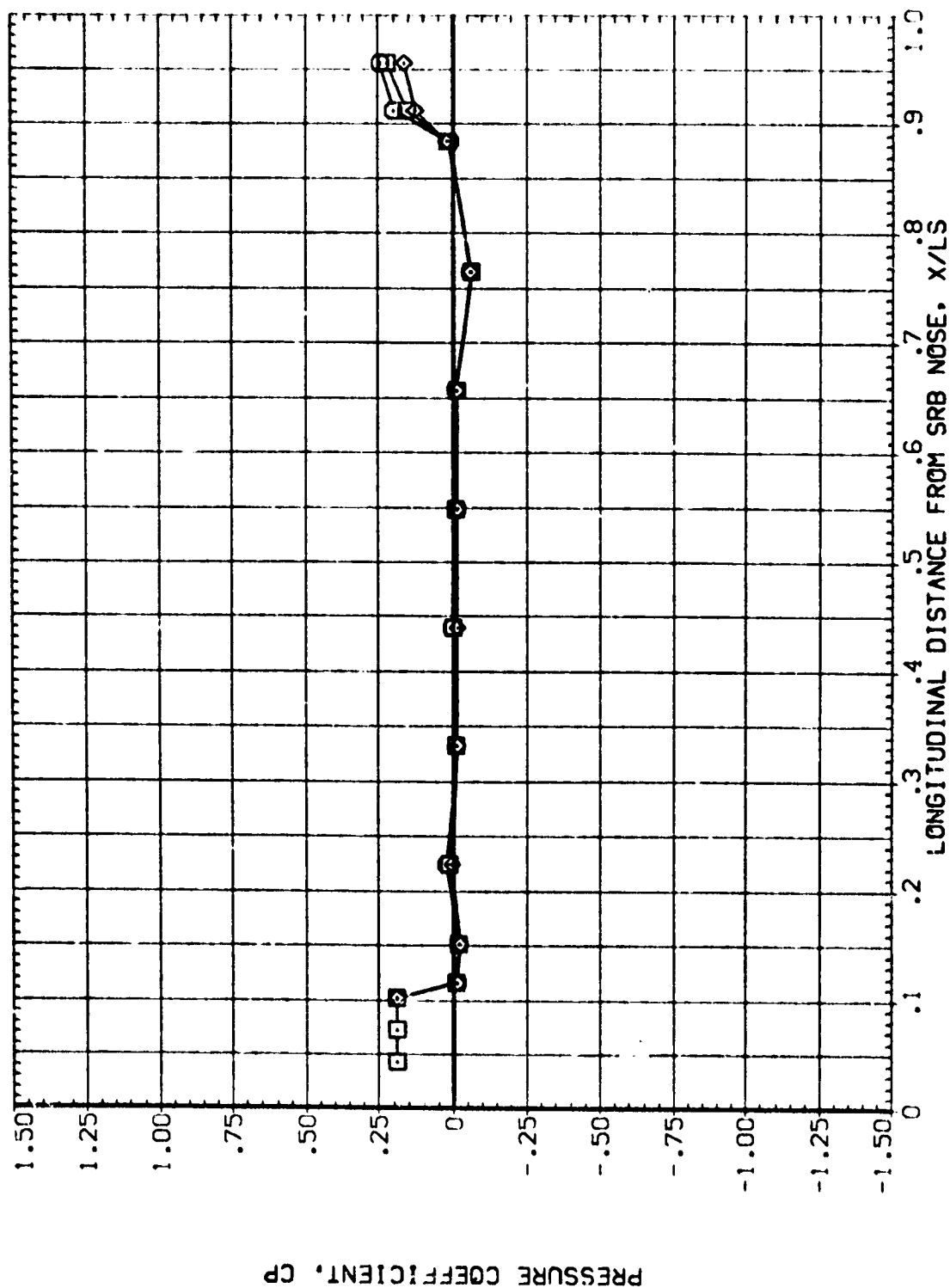
SYMBOL	PHI		ALPHA		MACH		REFERENCE DATA		BETA		PARAMETRIC VALUES	
	0	22.500	.000	.000	3.500		SREF	6.198	DELTA Z	CONF IG	90.000	
		45.000					LREF	5.313	X-SRB	RUDER	.000	
							BREF	5.313		ORBITAL	.500	
							XMRP	2.549				
							YMRP	.972				
							ZMRP	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

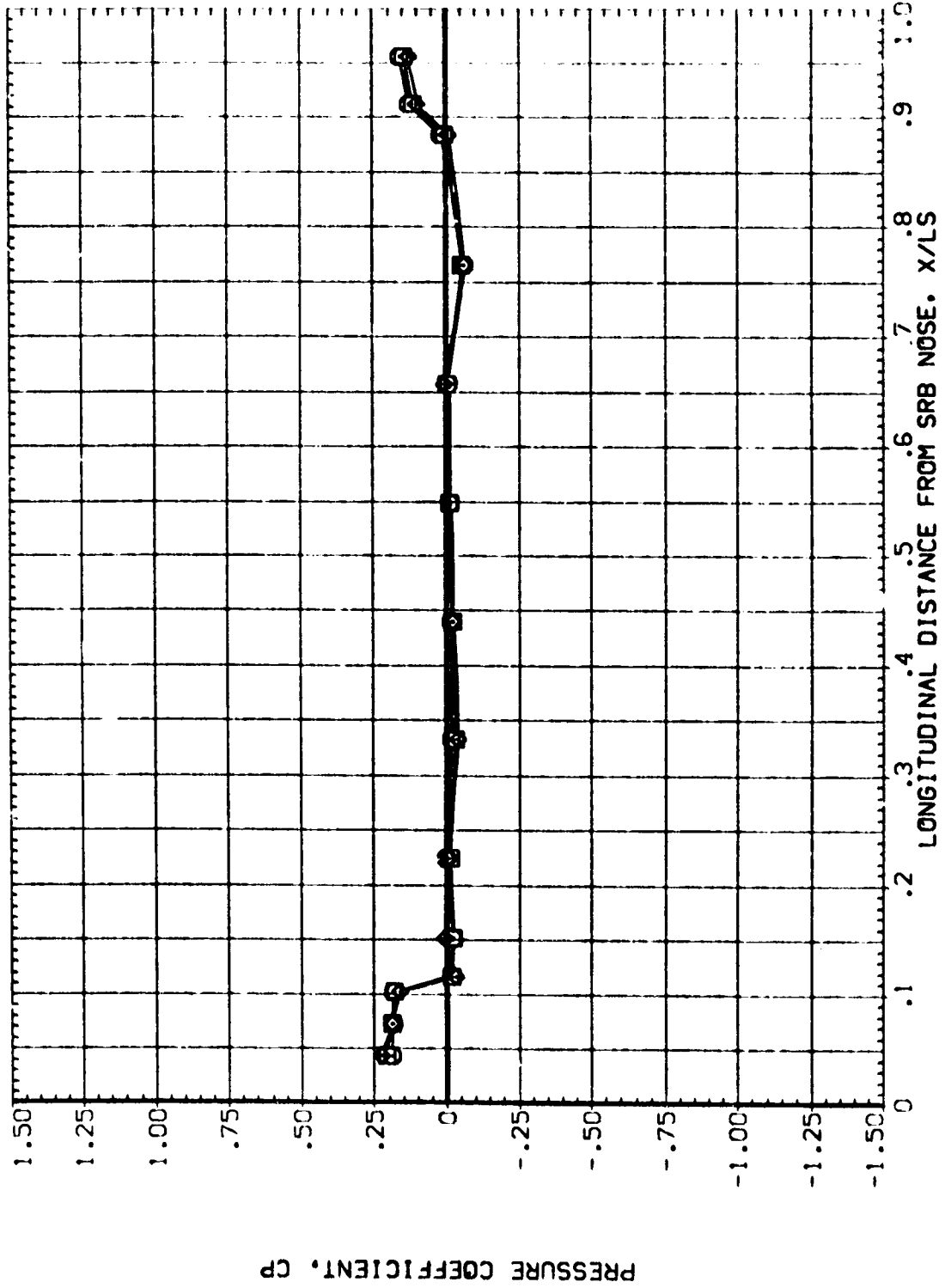
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◇	67.500	.000	3.500	SREF 6.198	DELTA Z	.000 CONF IG
□	90.000			LREF 5.313	X-SRB	.140 RUDDER
◇	112.500			BREF 5.313		.000 ORB INC
				XMRP 2.549		.500
				YMRP .972		
				ZMRP .000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

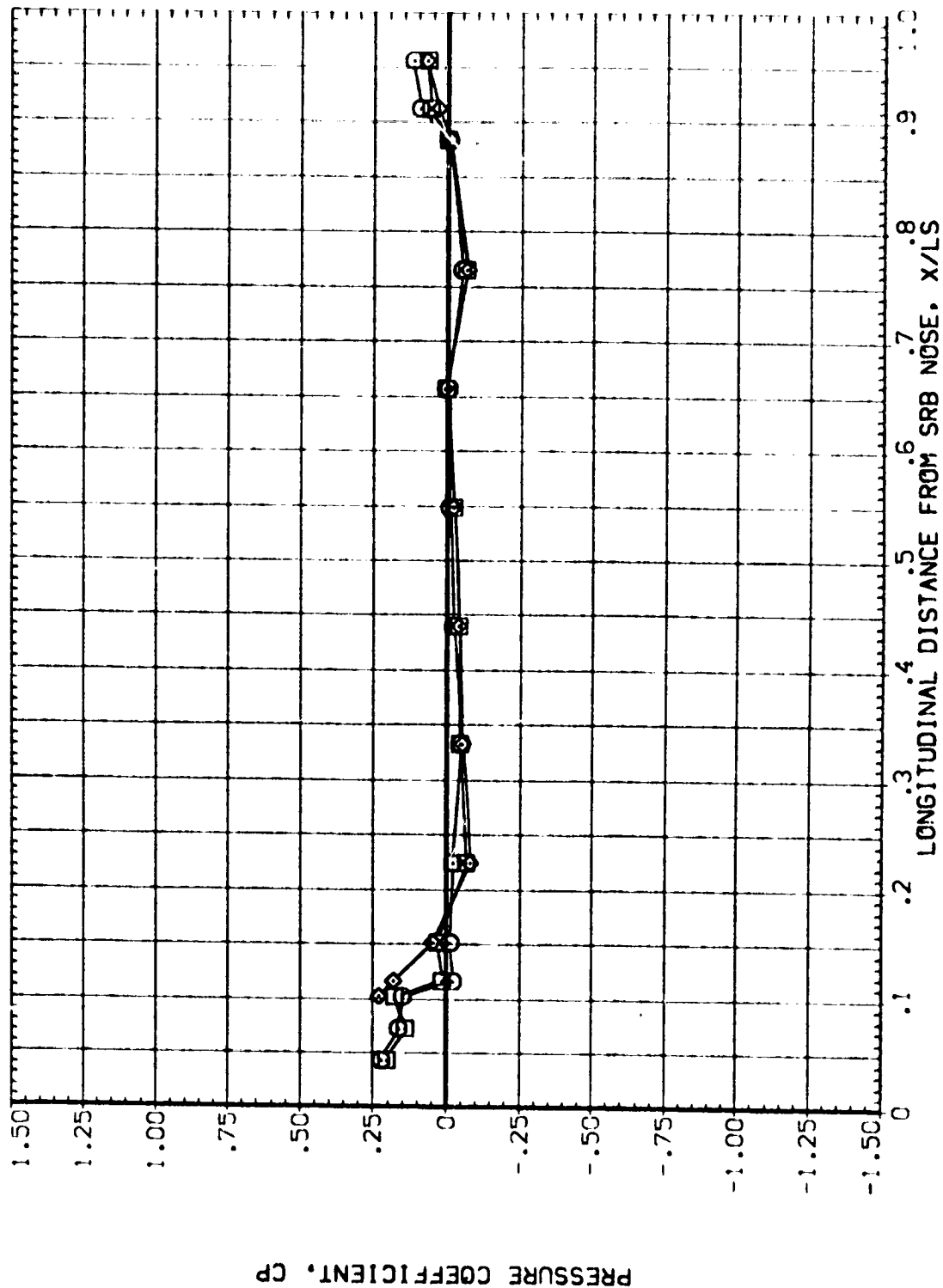
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				SREF	6.198	50. IN.	BETA	CONF IG	90.000
□	135.000	.000	3.500	LREF	5.313	IN.	DELTA Z	.000	.000
◇	157.500			BREF	5.313	IN.	X-SRB	.140	.000
	180.000			XPRP	2.549	IN.		.000	.500
				YPRP	.972	IN.			
				ZPRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

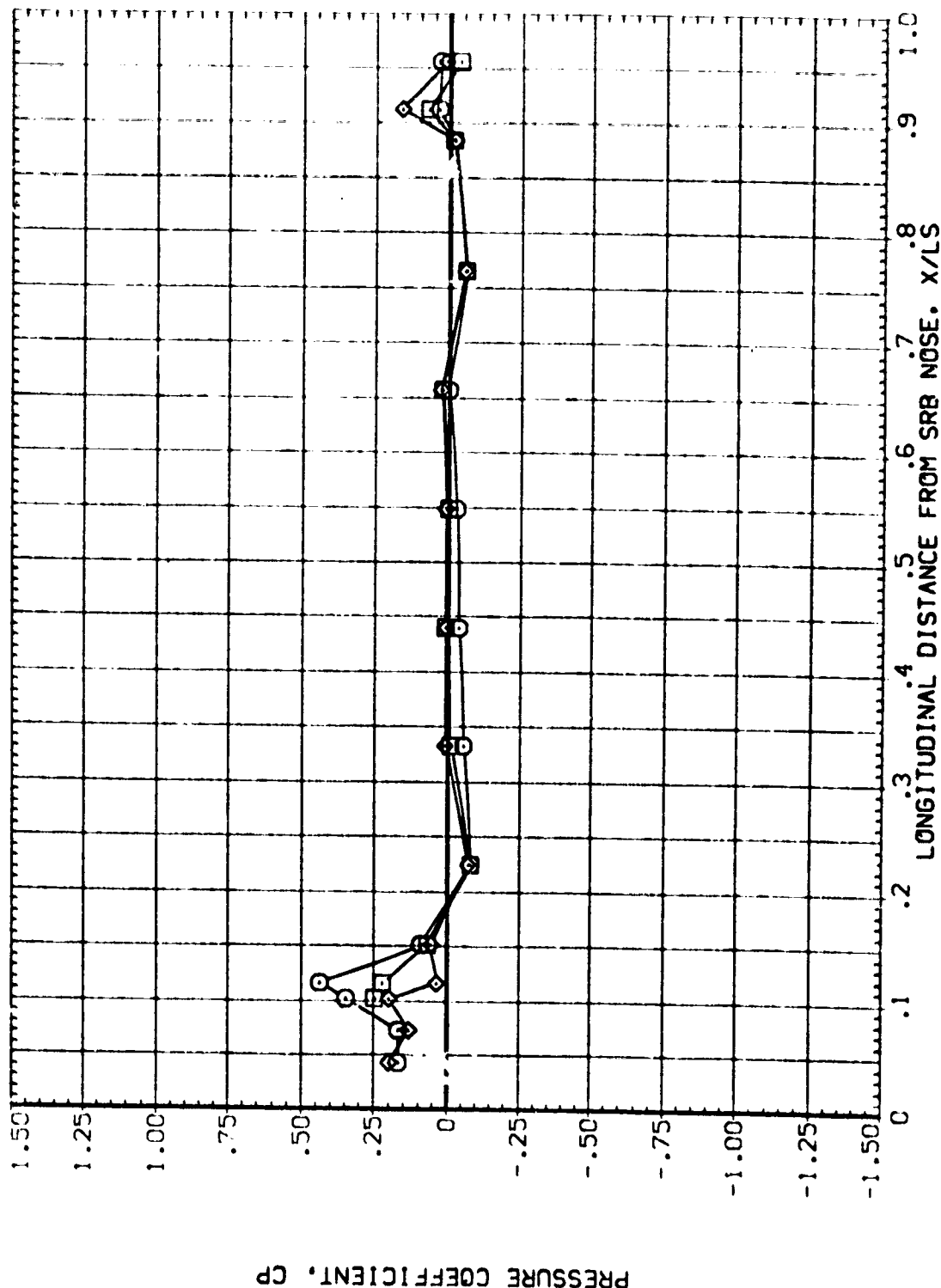
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	CONF 16	RUDER	SRB INC
○	202.500	.000	3.500	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	225.000							X-SRB	.000	.000	.500
◇	247.500										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

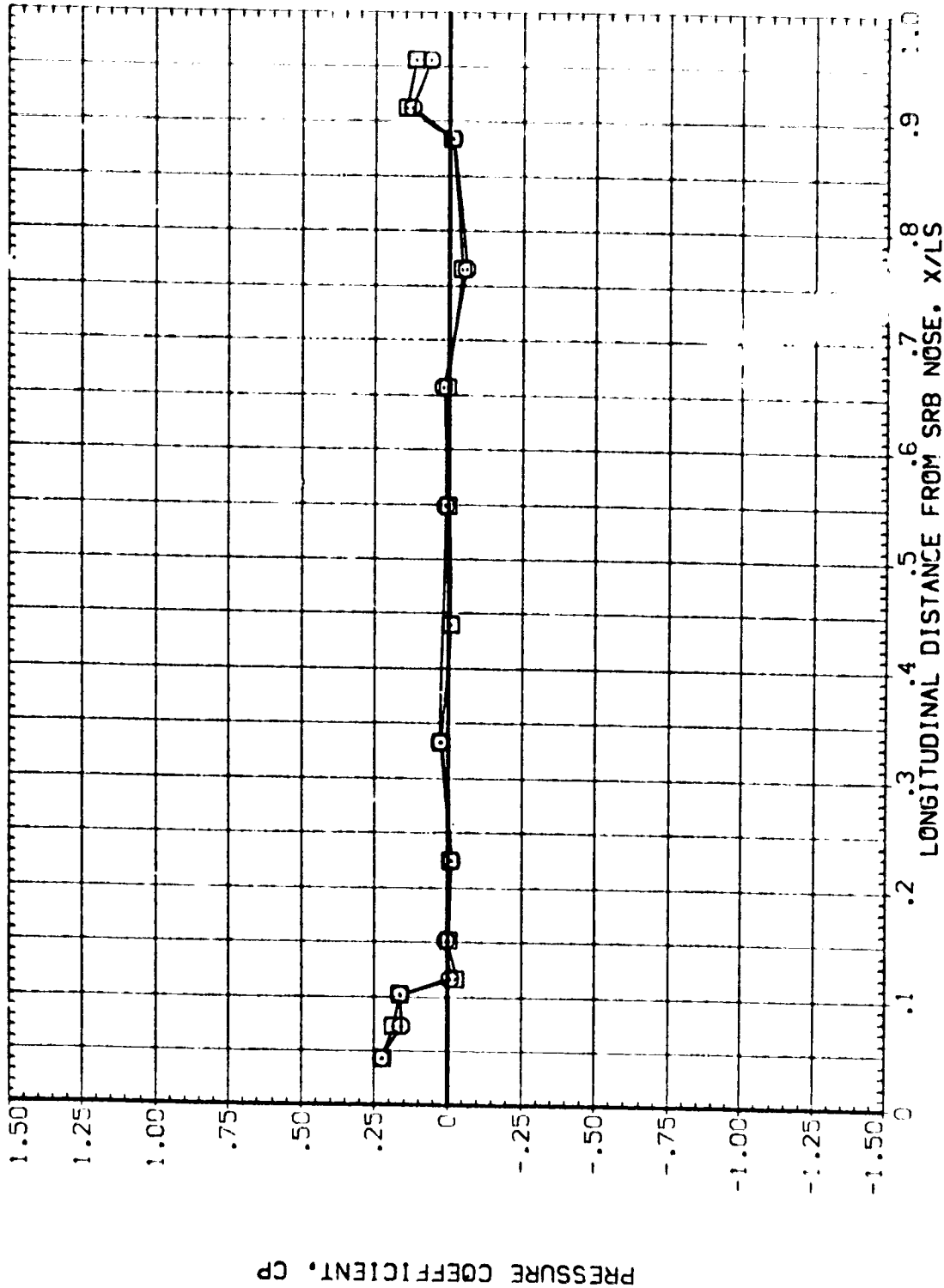
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	6.198	50. IN.	BETA	.000	CONFIS	90.000	
				LREF	5.313	IN.	DELTAZ	.000	RUCOR	.000	
				BREF	5.313	IN.	X-SRB	.000	395.1NC	.500	
				XMRP	2.543	IN.					
				YMRP	.972	IN.					
				ZMRP	.000	IN.					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

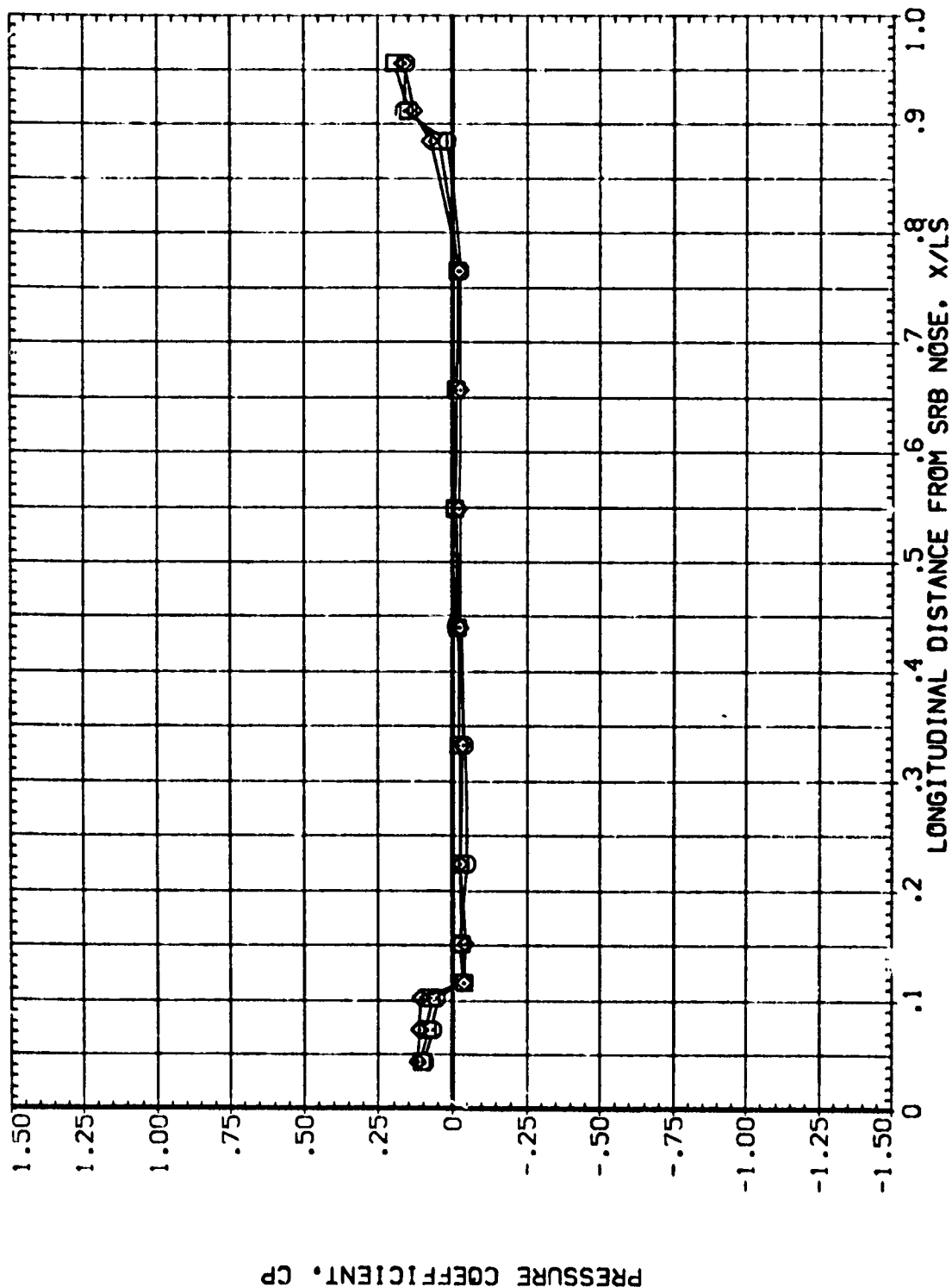
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<input type="radio"/>	337.500	.000	3.500	LREF	5.313	DELTA Z	.000	RUDDER	.000
<input type="checkbox"/>	360.000			BREF	5.313	X-SRB	.000	ORBIT	.500
				XMRP	2.545				
				YMRP	.972				
				ZMRP	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

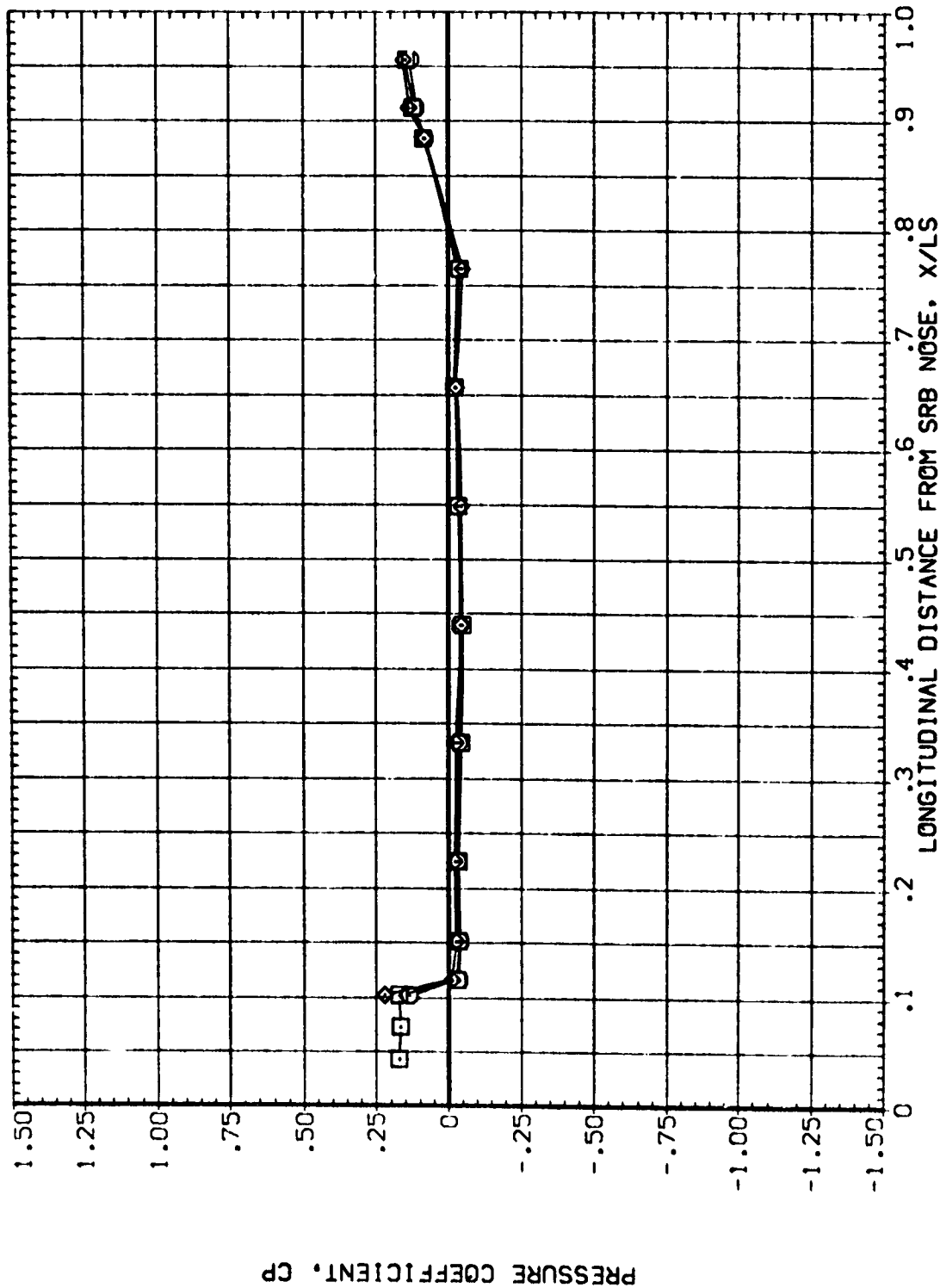
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES				
				SREF	6.198	50. IN.	BETA	.000	CONF IG	
○	22.500	8.000	3.500	LREF	5.313	IN.	DELTA Z	.140	R ODER	.000
□	45.000			BREF	5.313	IN.	X-SRB	.000	ORR INC	.500
◇				XMRP	2.549	IN.				
				YMRP	.972	IN.				
				ZMRP	.000	IN.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

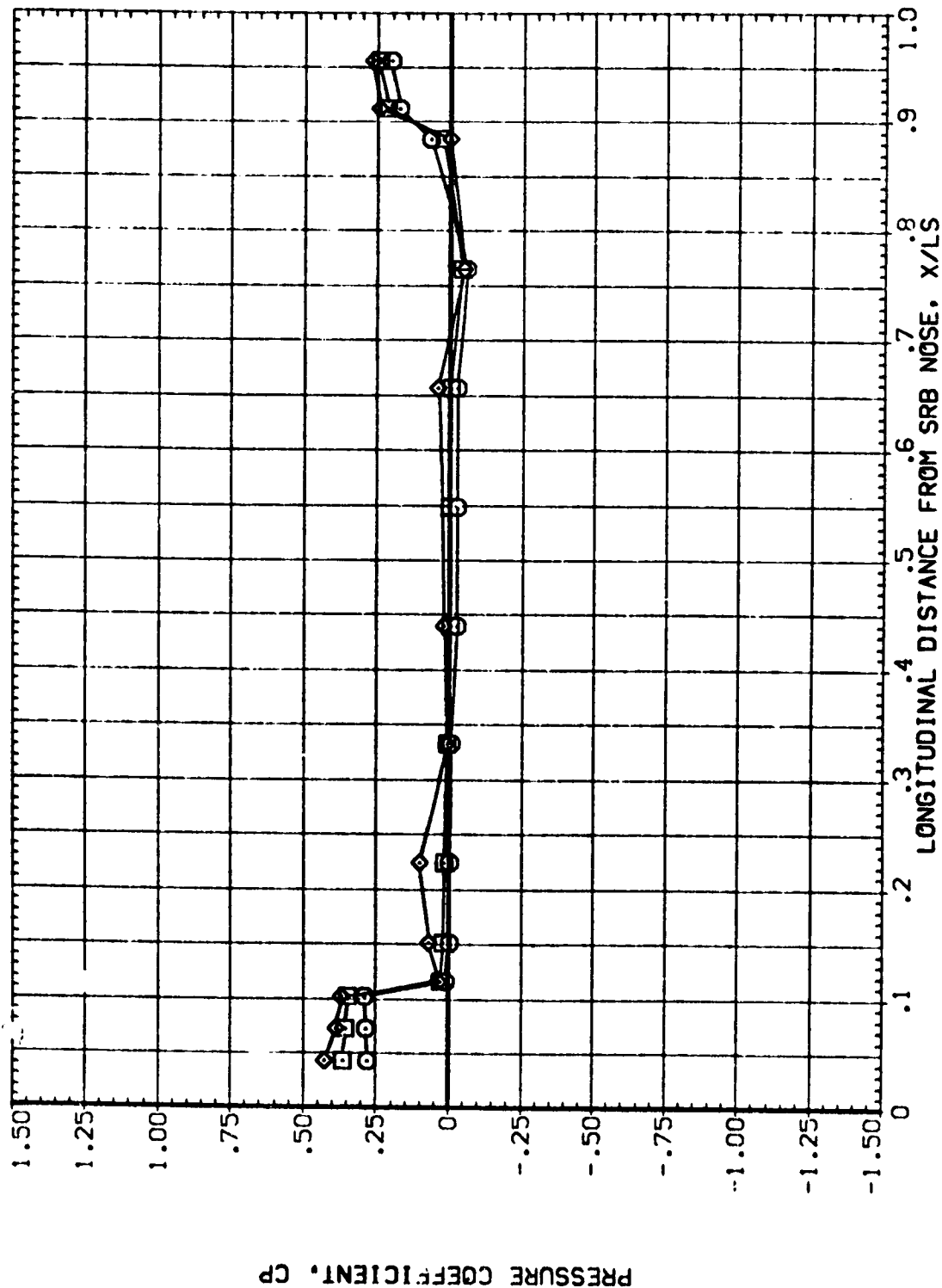
SYMBOL	PHI	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SO. IN.	BETA	CONF IG
○	67.500	8.000	3.500	LREF	5.313	DELTA Z	.000
□	90.000			SREF	5.313	RUDER	.140
◇	112.500			XREF	2.549	X-SRB	.000
				YREF	.972	ORBIT INC	.500
				ZREF	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

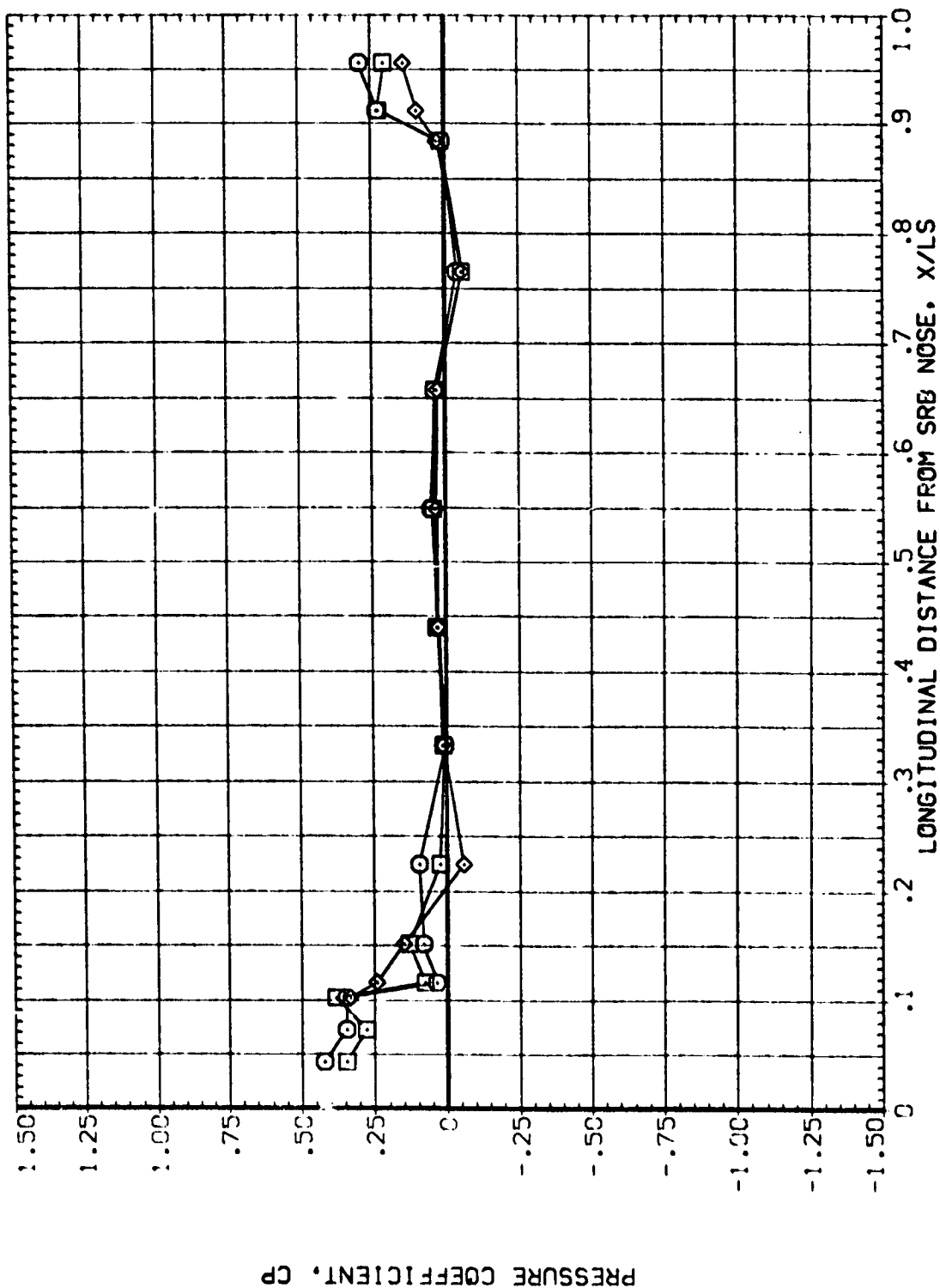
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				SREF	6.198	SO. IN.	BETA	.000	CONF IG
○	135.000	8.000	3.500	LREF	5.313	IN.	DELTA Z	.140	RUDDER
□	157.500			BREF	5.313	IN.	X-SRB	.000	ORBITAL
◇	180.000			XMRP	2.548	IN.			
				YMRP	.972	IN.			
				ZMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

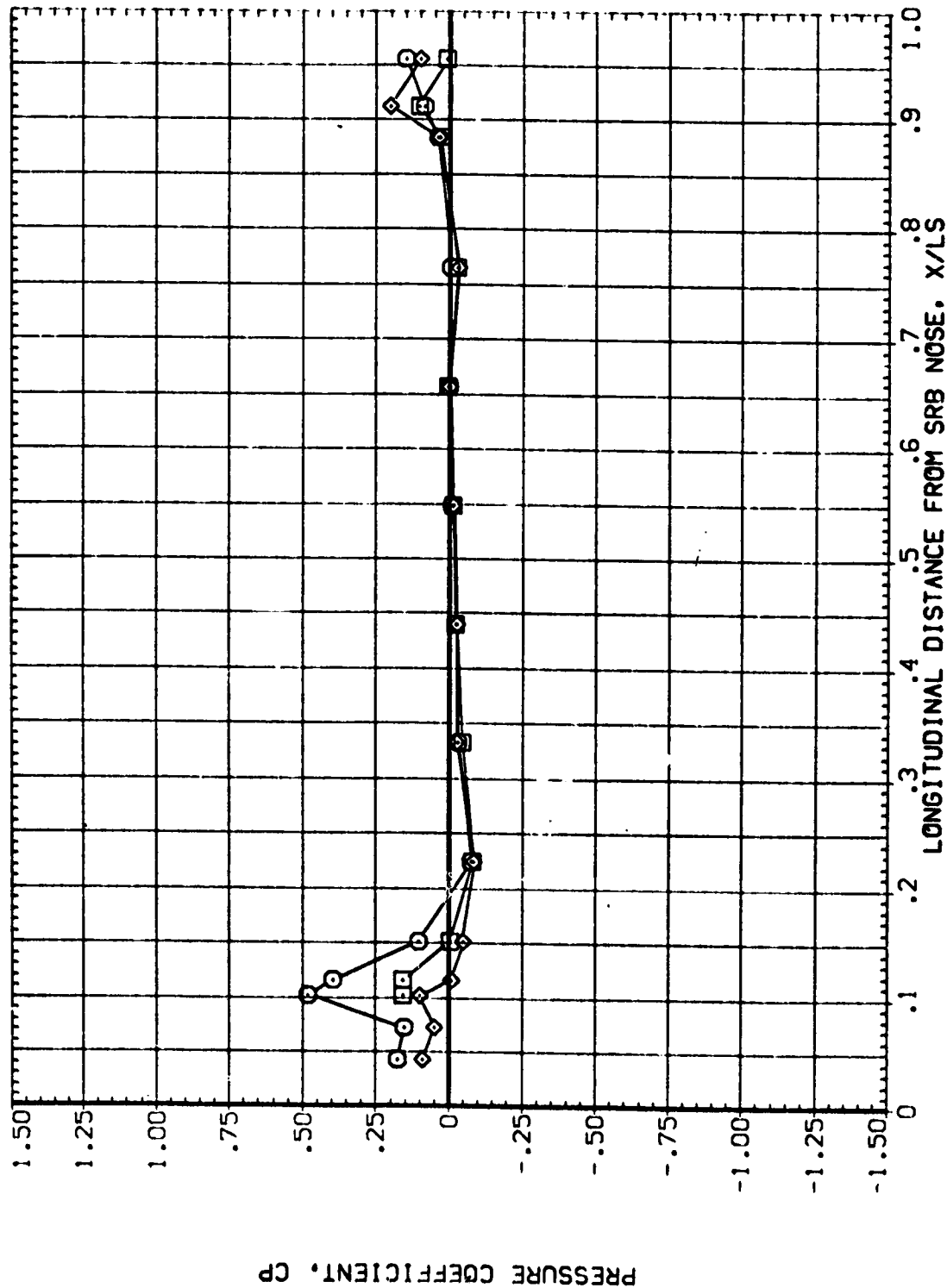
S ¹ H ² B ³	P-H	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	DELTA Z	X-SRB	CONF IG
	202.500	8.000	3.500	6.198	5.313	5.313	2.549	.000	.140	.000	90.000
	225.000										.000
	247.500										.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

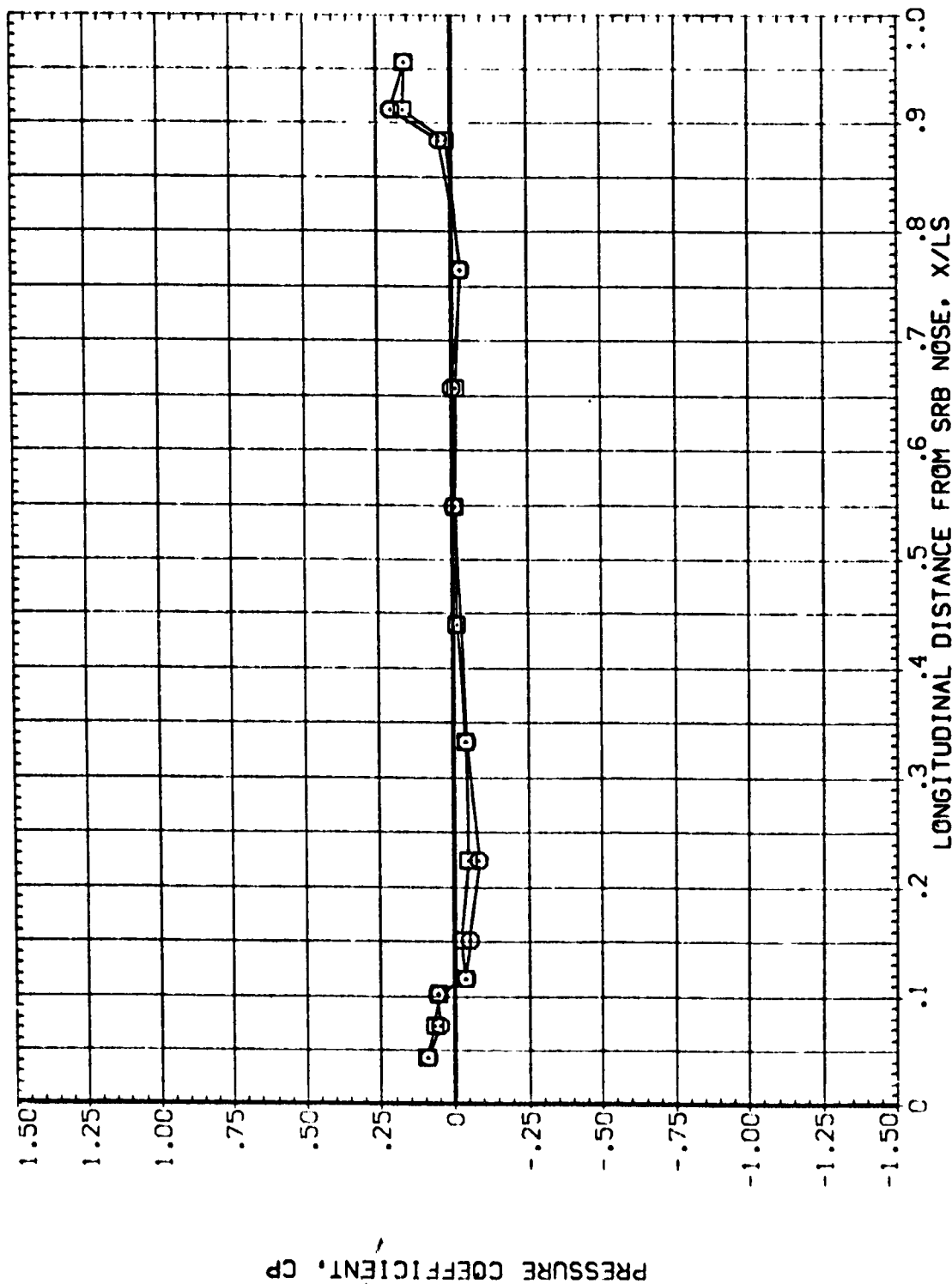
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				SREF	LREF	BREF	YMRP	ZMRP	SO IN.	BETA	CONF IG
○	270.000	8.000	3.500	5.198	5.313	5.313	2.548	.972	IN.	DELTA Z	.000
□	292.500								IN.	X-SRB	.140
◇	315.000								IN.	ORBITAL	.000
									IN.		.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

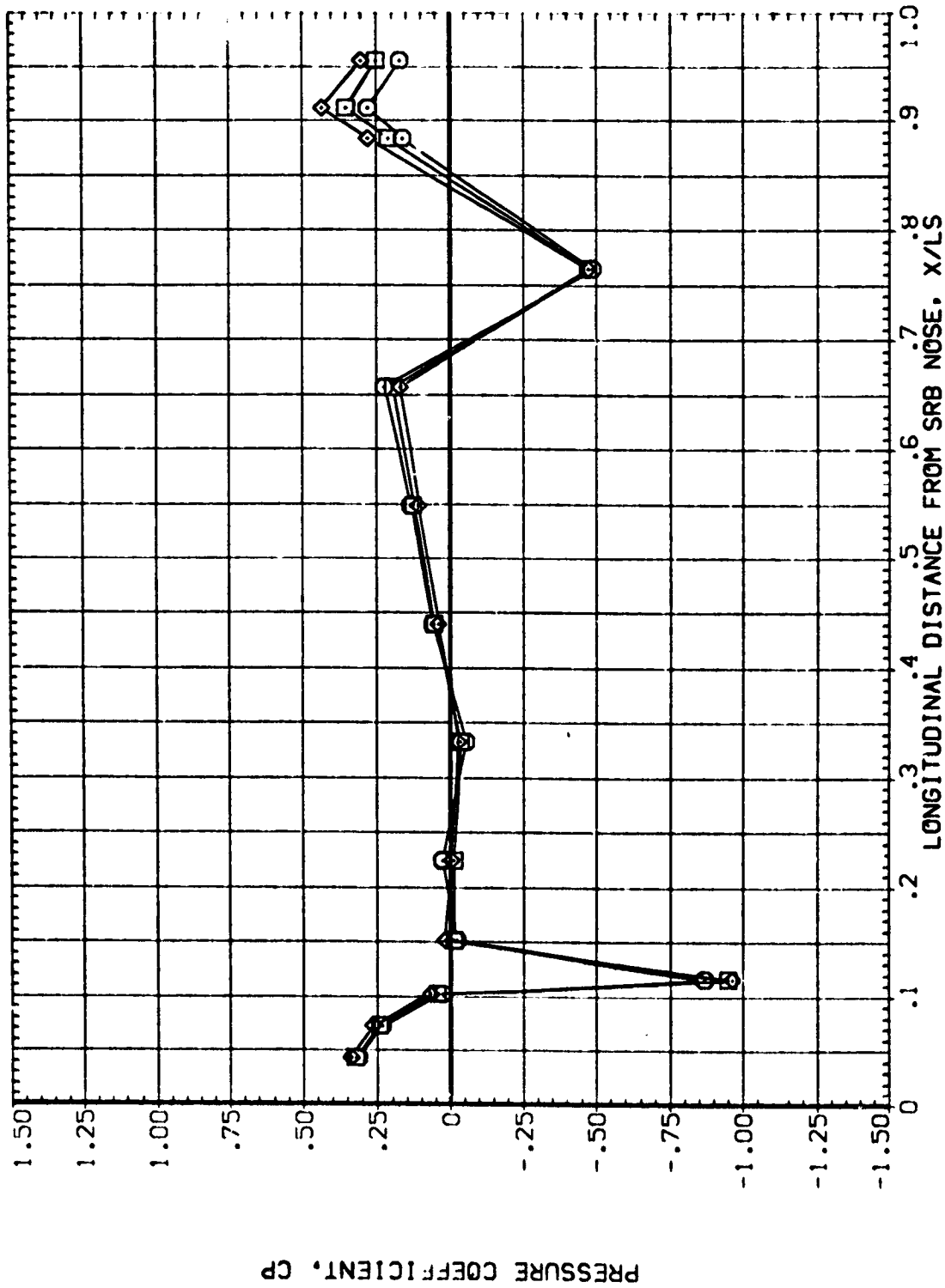
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				SREF	6.198	50. IN.	BETA	.000	CONF'G	90.000	
○	337.500	8.000	3.500	LREF	5.313	IN.	DELTA Z	.140	RUDER	.000	
□	360.000			BREF	5.313	IN.	X-SRB	.000	ORBIT	.500	
				XPRP	2.549	IN.					
				YPRP	.972	IN.					
				ZPRP	.000	IN.					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

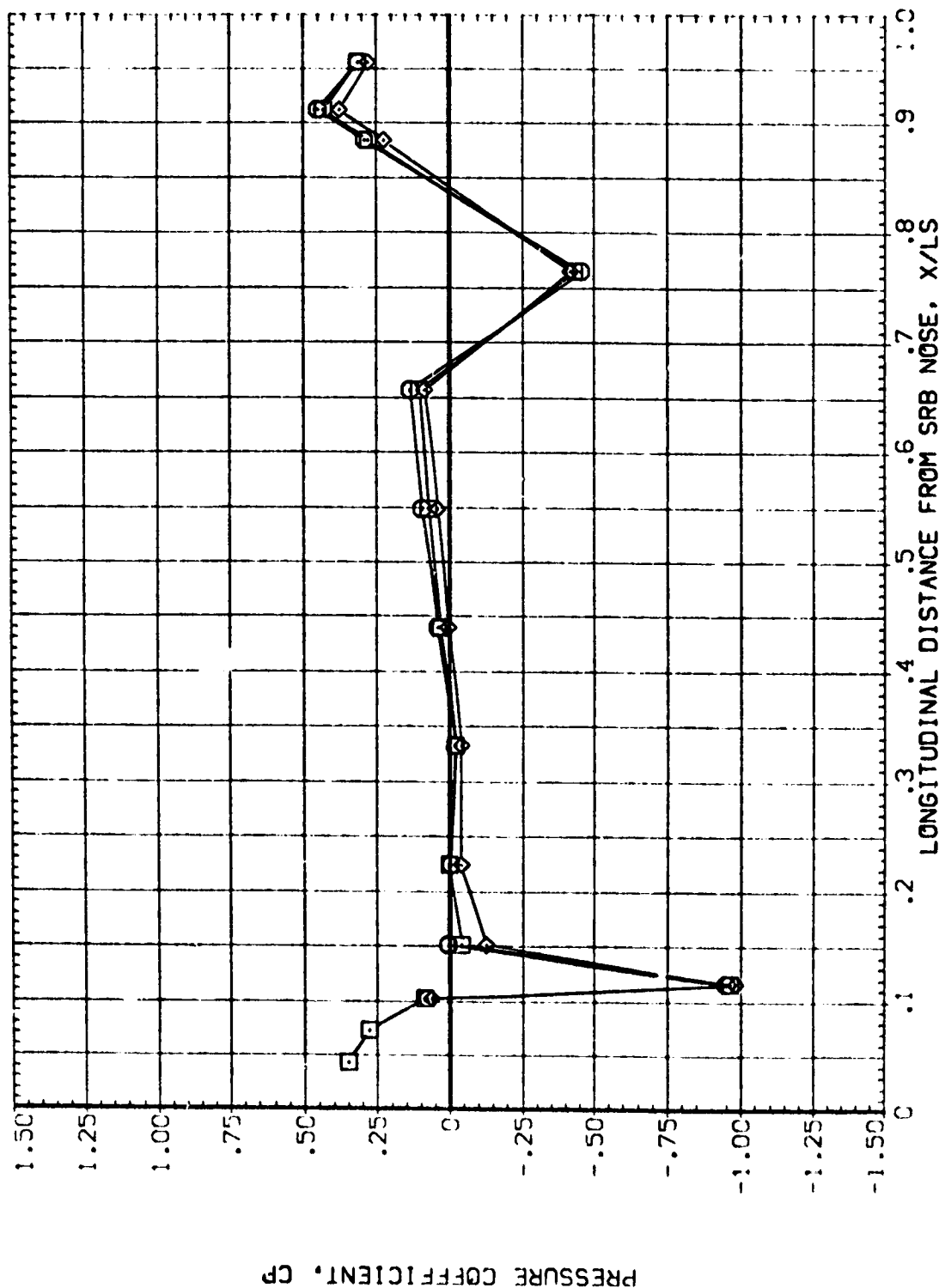
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				SREF	6.198	SO. IN.	ALPHA	CONF IG	90.000
□	.000	-8.000	.900	LREF	5.313	IN.	DELTA Z	RUDDER	.000
◇	22.500			BREF	5.313	IN.	X-SRB	DRB INC	.000
	45.000			XMRP	2.549	IN.			.500
				YMRP	.972	IN.			
				ZMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

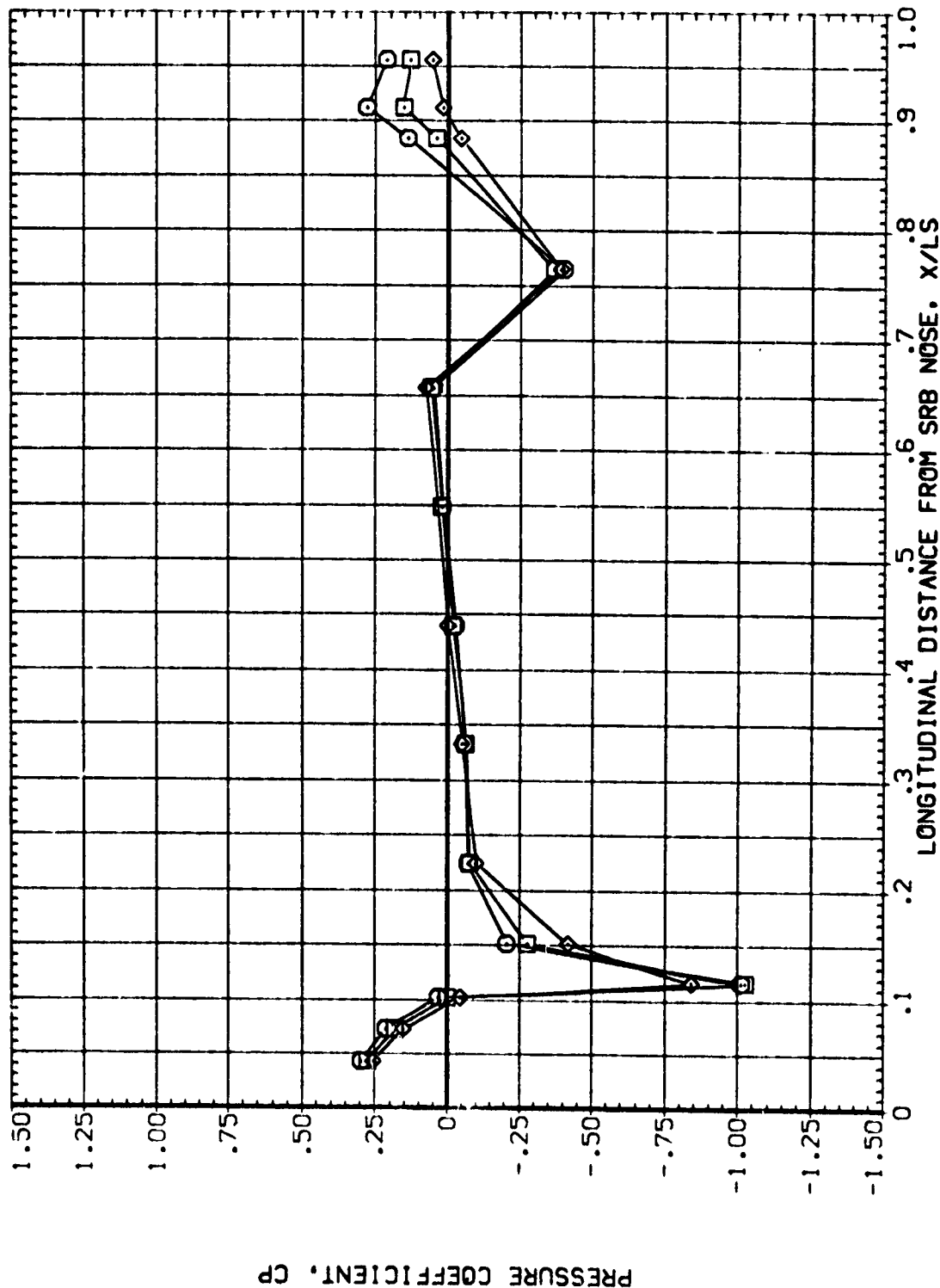
SYMBOL	PHI	BETA	MACH	REFERENCE DATA			PARAMETRIC VALUES		
				SREF	LREF	SREF	ALPHA	CONF IG	90.000
○	67.500	-8.000	.900	5.198	5.313	50. IN.	DELTA Z	.000	.000
□	90.000			5.313	2.549	IN.	X-SRB	.140	.000
◇	112.500			.972	.000	IN.	ORBITAL	.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

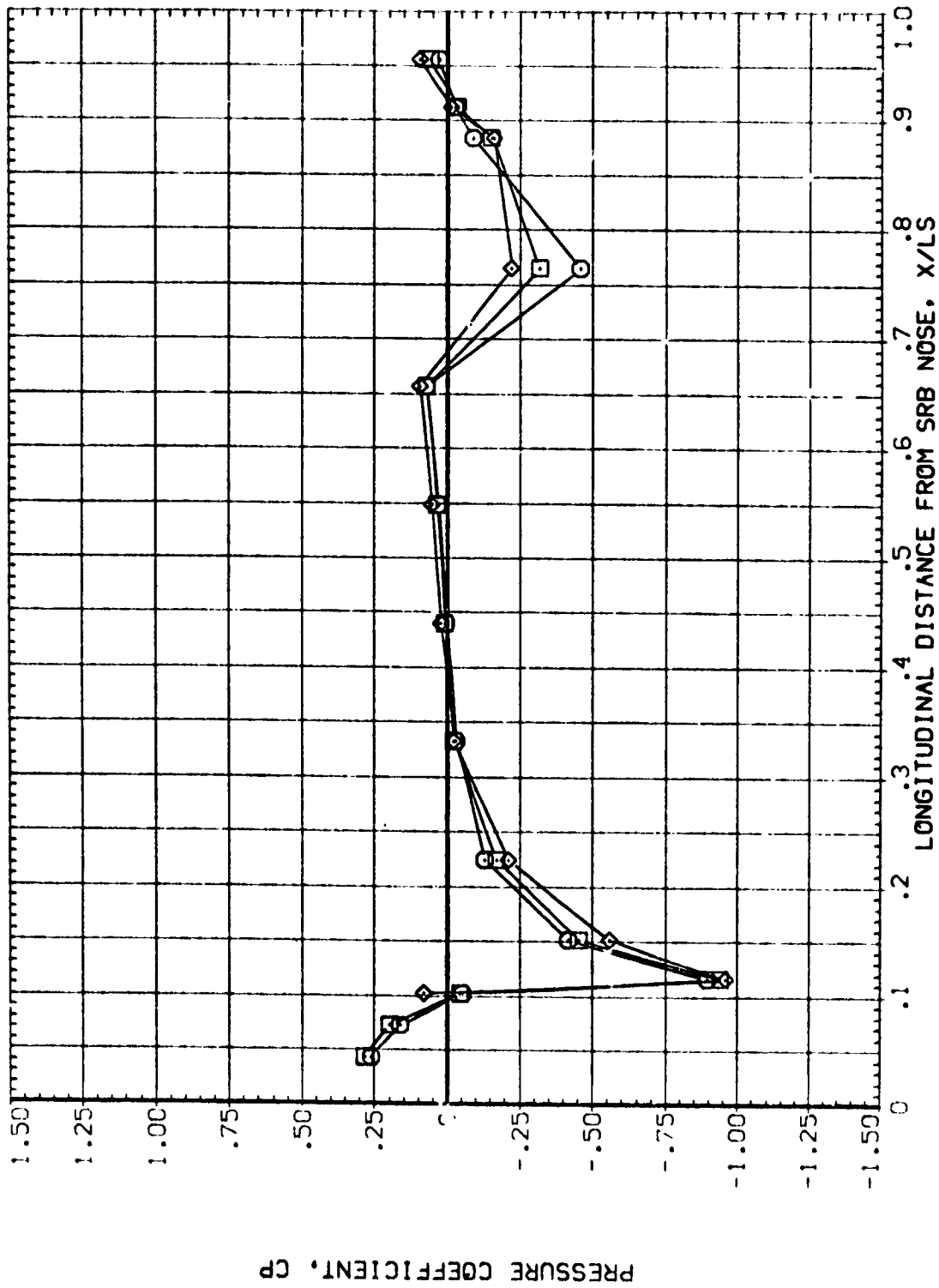
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XPRP	YPRP	ZPRP	ALPHA	CONF IG
○	135.000	-8.000	.900	6.198	5.313	5.313	2.545	.972	.000	.000	CONF IG
□	157.500									.140	RUDDER
◇	180.000									.000	ORBIT INC
										.500	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

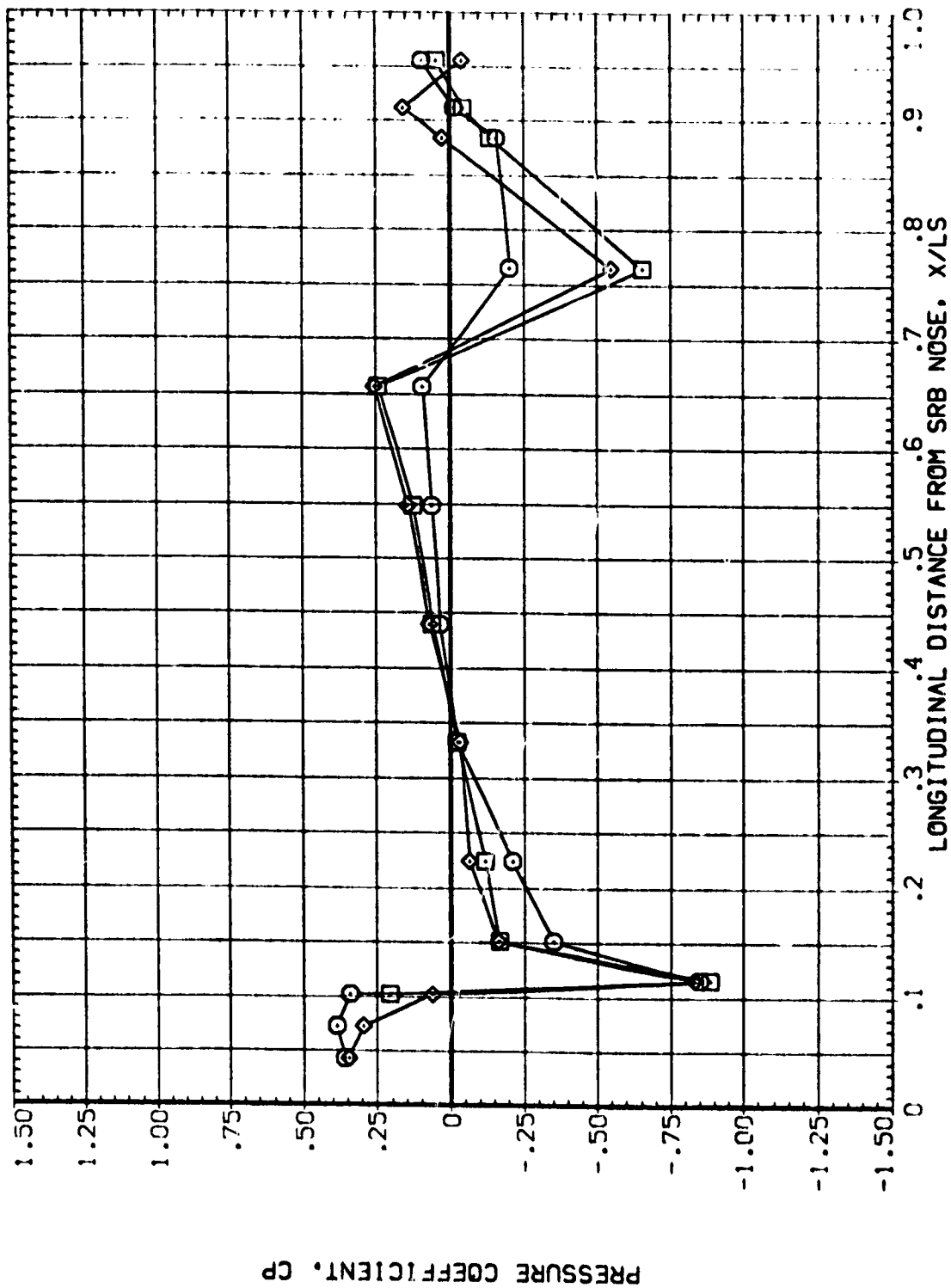
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SG. IN.	ALPHA	CONFIG	
○	202.500	-8.000	.900	6.198	5.313	5.313	2.548	IN.	DELTAZ	.000	CONFIG
□	225.000							IN.	X-SRB	.140	RUDDER
◇	247.500							IN.		.000	ORBITAL
								IN.		.000	ORBITAL
								IN.		.500	ORBITAL



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

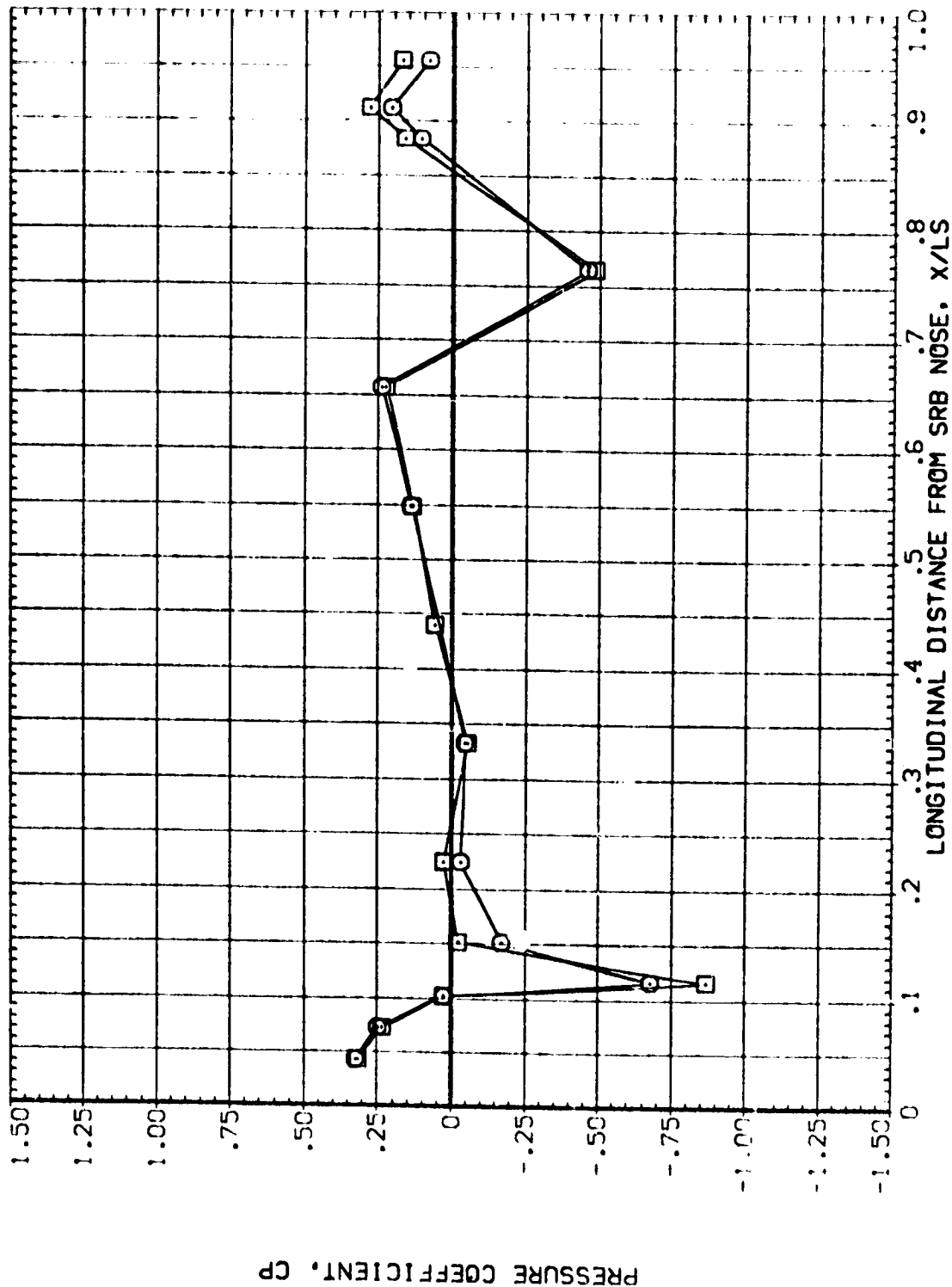
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	UREF	5.198	50. IN.	ALPHA	CONF IS	50.000	
○	270.000	-8.000	.900	BREF	5.313	5.313	IN.	DELTA Z	.000	RUDER	.000
□	292.500			XMRP	2.549	2.549	IN.	X-SRB	.000	098'AC	.500
◇	315.000			YMRP	.972	.972	IN.				
				ZMRP	.000	.000	IN.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

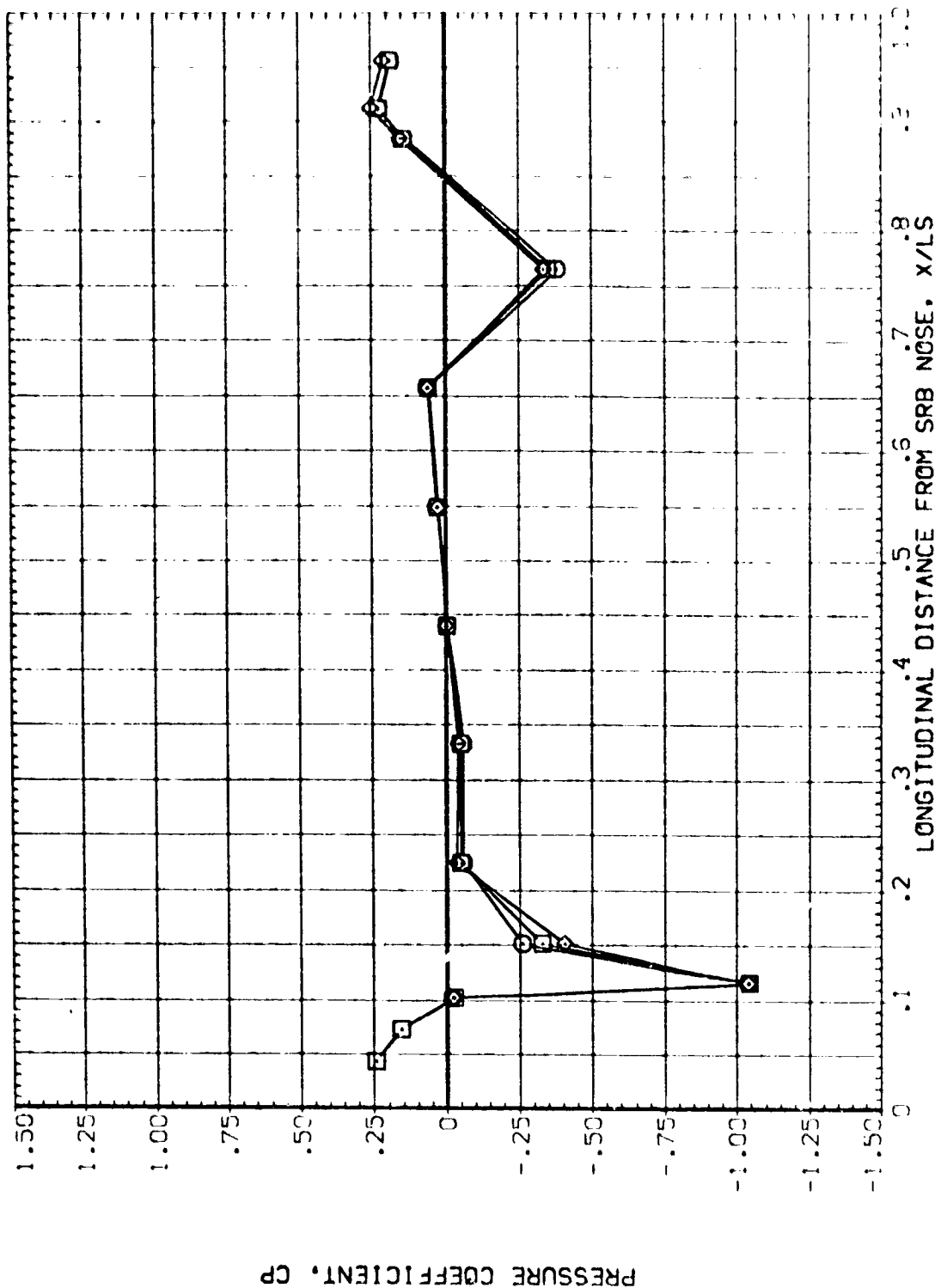
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES													
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	SO. IN.	IN.	IN.	IN.	ALPHA	DELTA Z	X-SRB	CONF:5	P-DOOR	CRB:INC	90.000	.000
○	337.500	-8.000	.900																		
□	360.000																				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

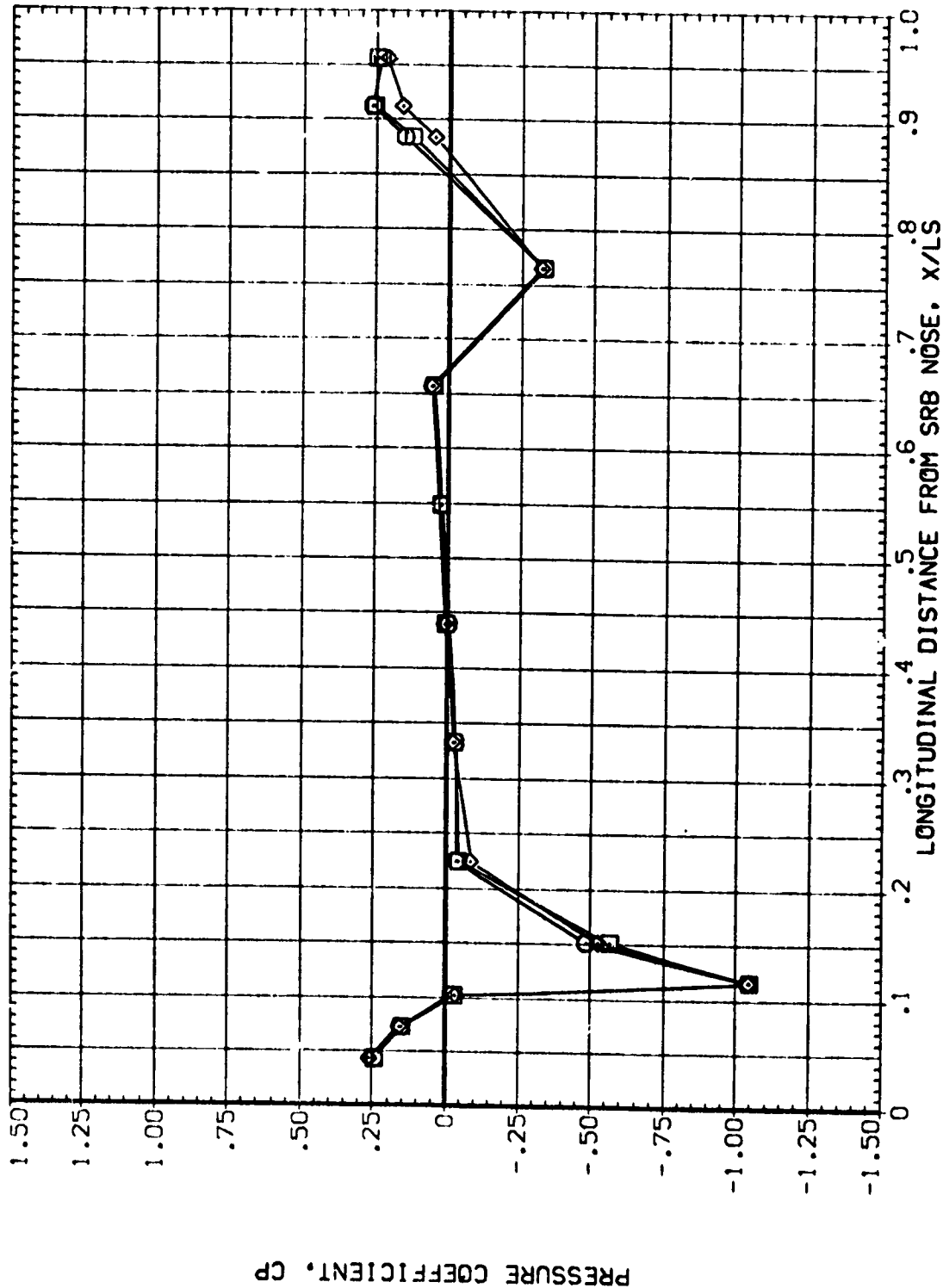
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES				
				SREF	6.198	50. IN.	ALPHA	.000	CONFIG	90.000		
				LREF	5.313	IN.	DELTA Z	.140	RJ000ER	.000		
				BREF	5.313	IN.	X-SRB	.000	SRB INC	.500		
				XMRP	2.549	IN.						
				VMRP	.972	IN.						
				ZMRP	.000	IN.						



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

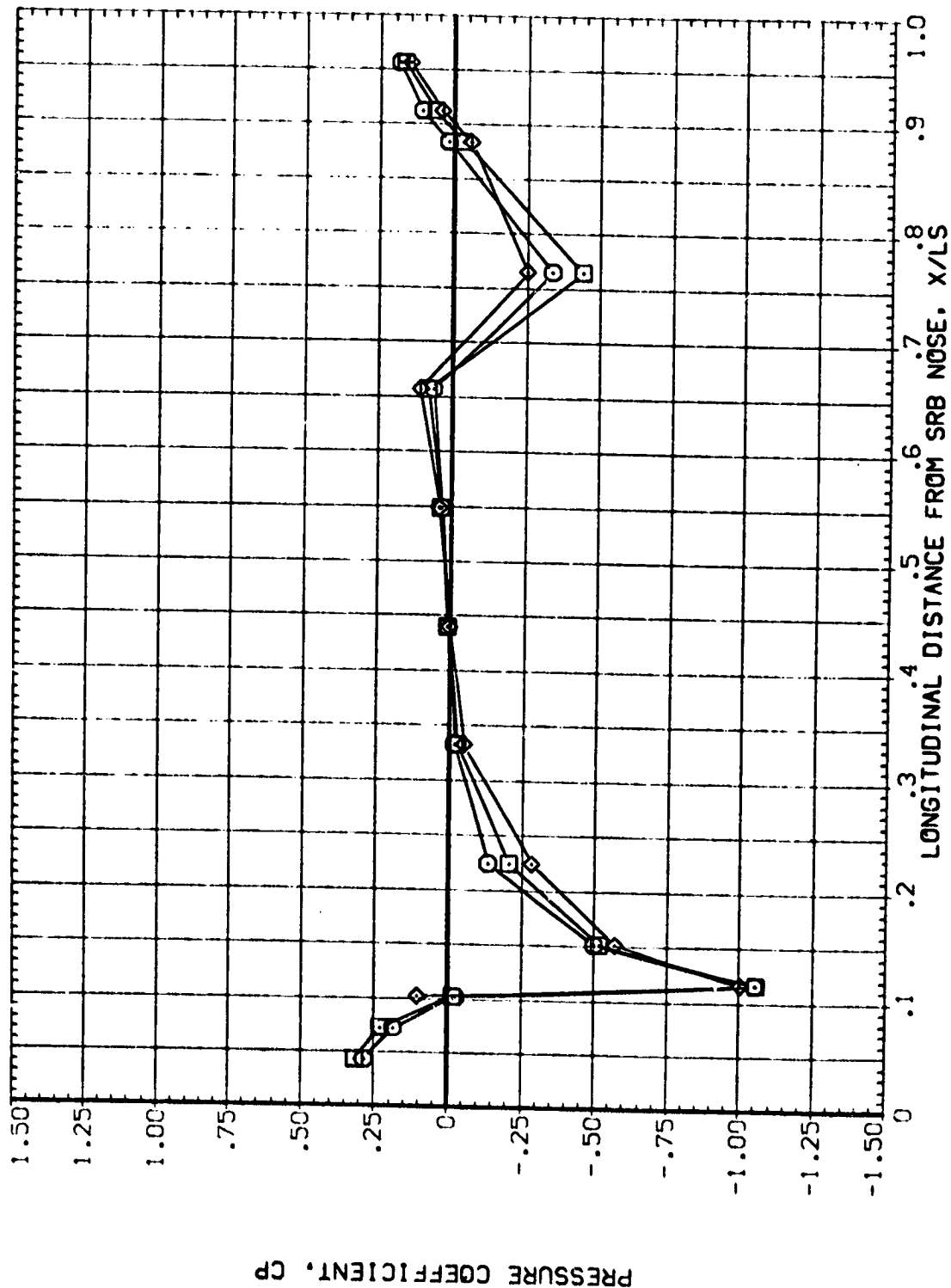
SYMBOL	P-H	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	.000	CONF IG
○	135.000	.000	.900	LREF	5.313	IN.	DELTA Z	.140	RUDDER
□	157.500			BREF	5.313	IN.	X-SRB	.000	ORBIT NC
◇	180.000			XMRP	2.549	IN.			
				YMRP	.972	IN.			
				ZMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

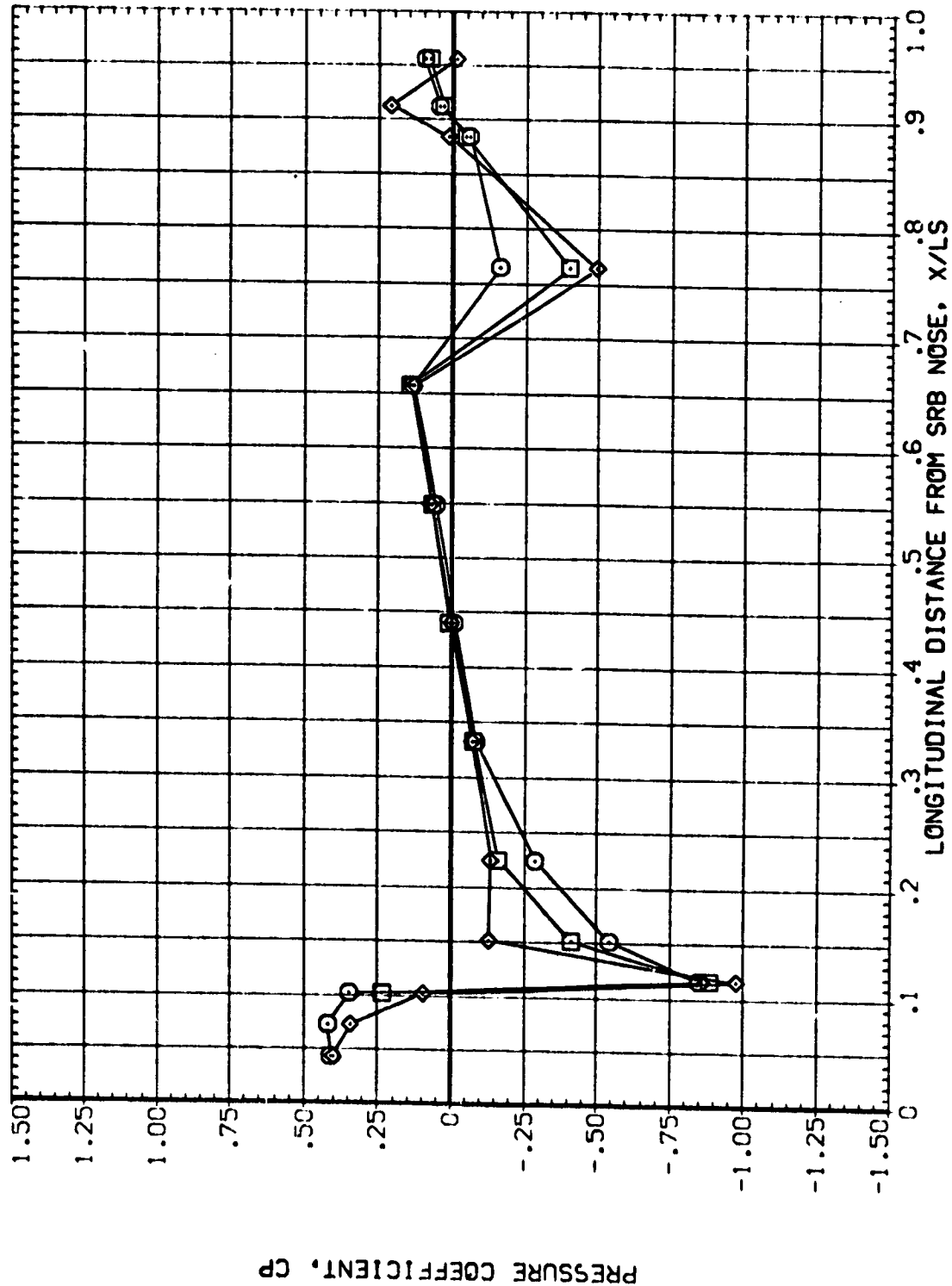
SYMBOL	PHI	BETA	MACH	REFERENCE DATA						PARAMETRIC VALUES		
				SREF	LREF	BREF	XPRP	YPRP	ZPRP	ALPHA	DELTAZ	X-SAB
○	202.50	.000	.900	6.198	5.313	5.313	2.545	.972	.000	.000	.140	RUDER
□	225.000									.000	.000	CRB'INC
◇	247.500											



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

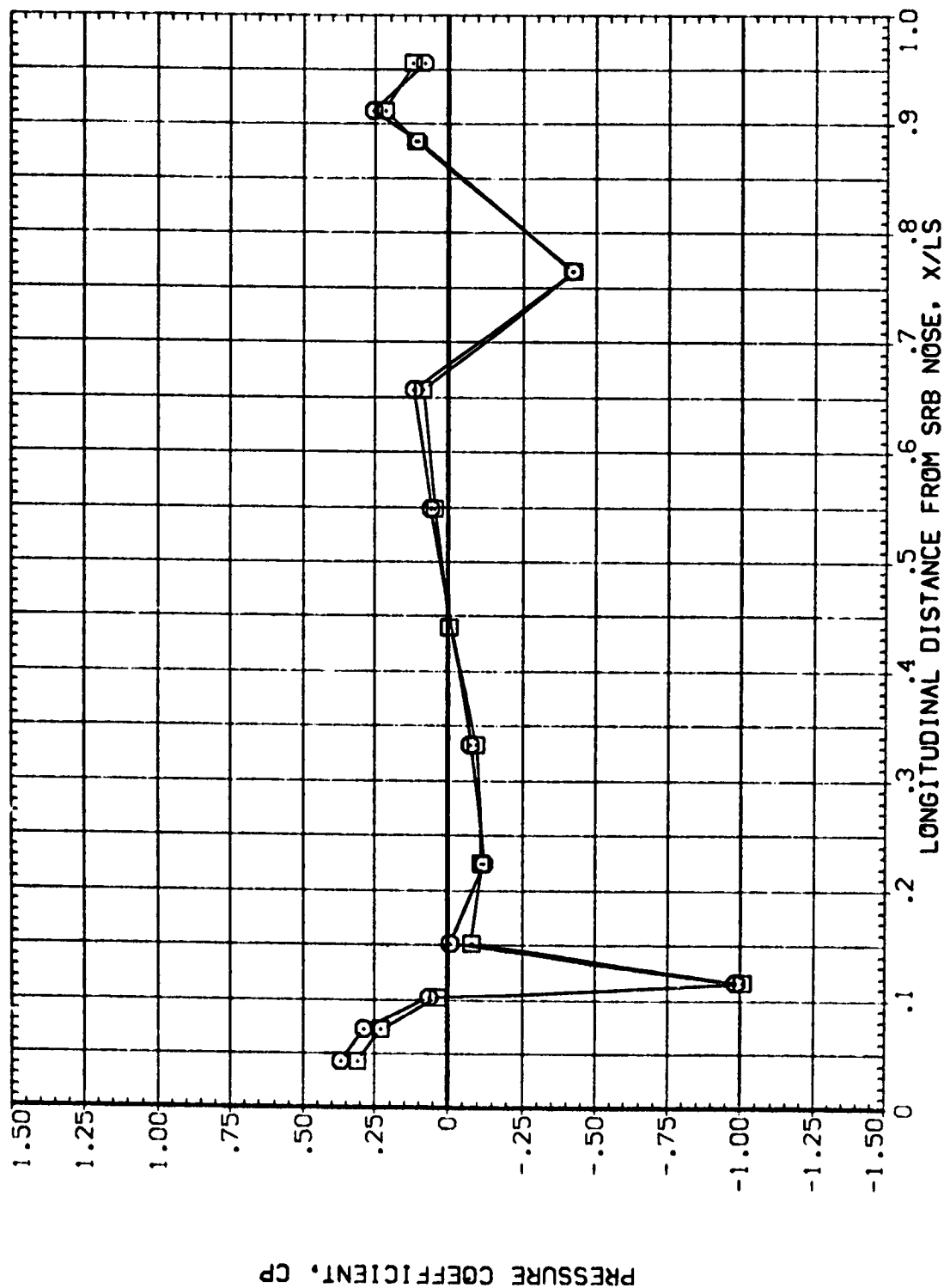
SYMBOL	P-1	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	270.000	.000	.900	SREF 6.198	.000 CONF1G
□	292.500	.000	.900	LREF 5.313	.140 RUDDER
◇	315.000	.000	.900	BREF 5.313	.000 DRBINC
				XMRP 2.549	
				YMRP .972	
				ZMRP .000	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

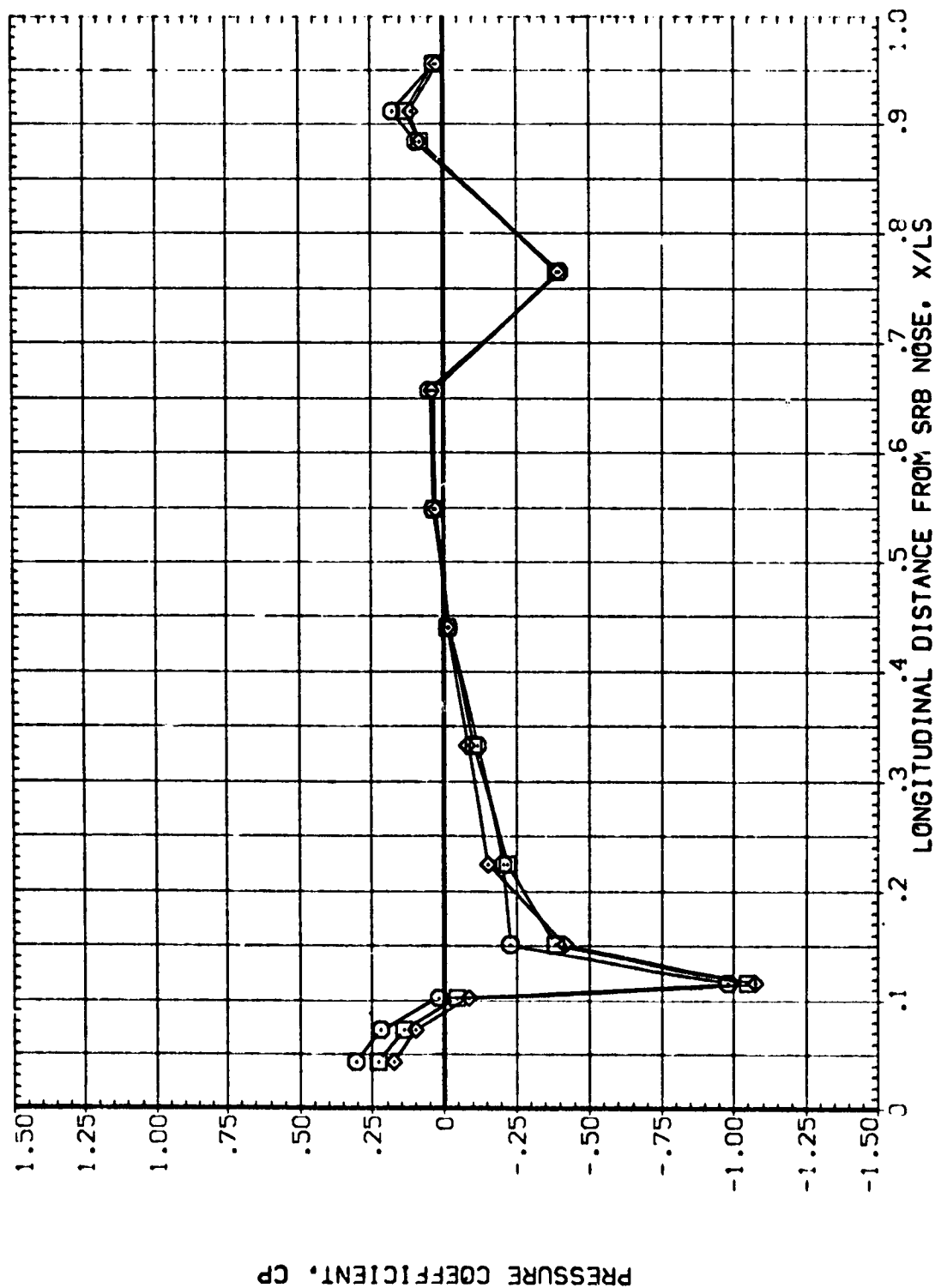
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA						PARAMETRIC VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	6.198	5.313	5.313	2.549	.972	.000	ALPHA	DELTA Z	DELTA X	DELTA Y	DELTA W	DELTA H	DELTA V	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA 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C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L	DELTA K	DELTA J	DELTA I	DELTA H	DELTA G	DELTA F	DELTA E	DELTA D	DELTA C	DELTA B	DELTA A	DELTA Z	DELTA Y	DELTA X	DELTA W	DELTA V	DELTA U	DELTA T	DELTA S	DELTA R	DELTA Q	DELTA P	DELTA O	DELTA N	DELTA M	DELTA L



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

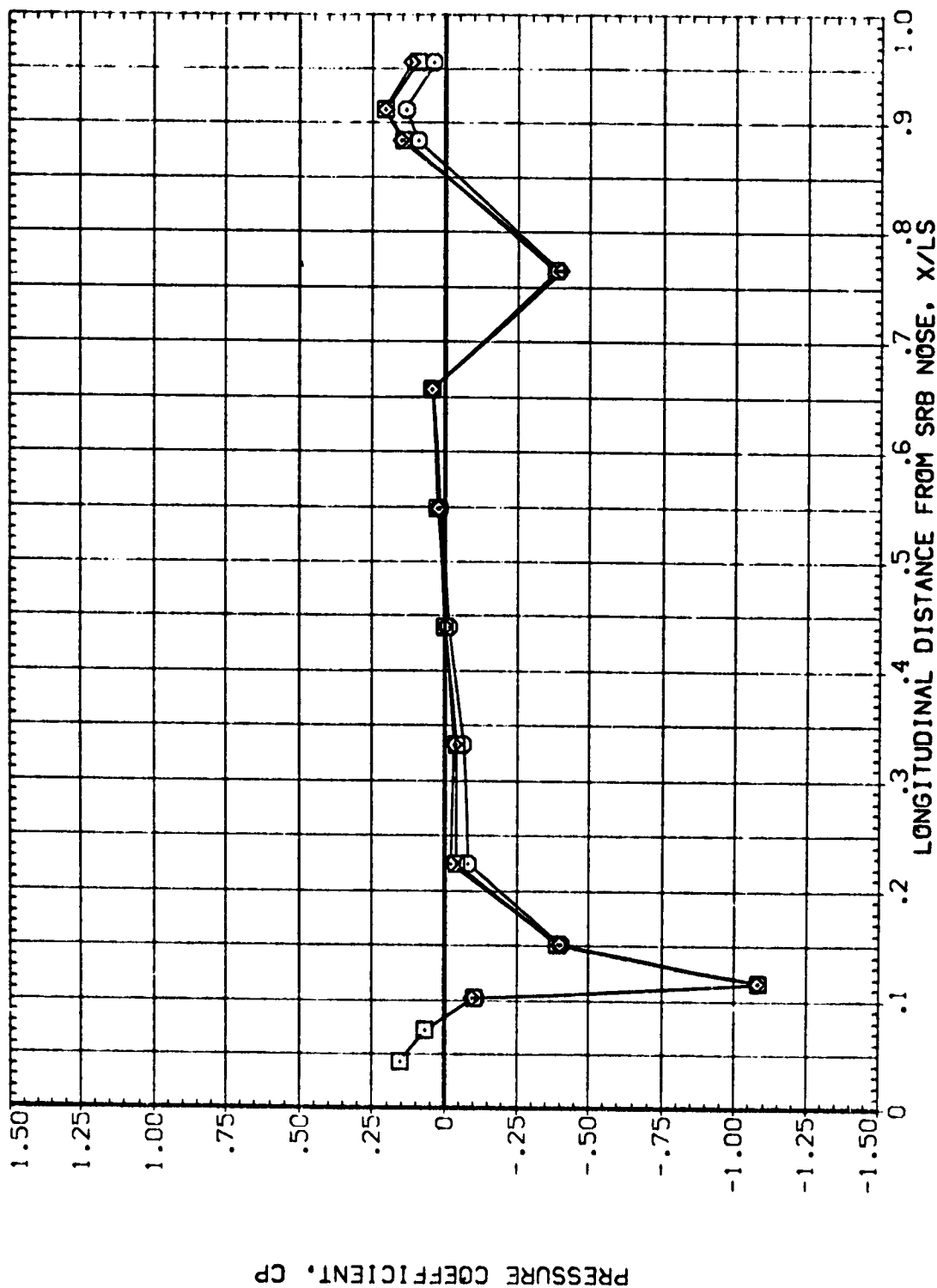
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<input type="radio"/>	45.000			BREF	5.313		.000 ORBINC
<input type="radio"/>				XMRP	2.549		
				YMRP	.972		
				ZMRP	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

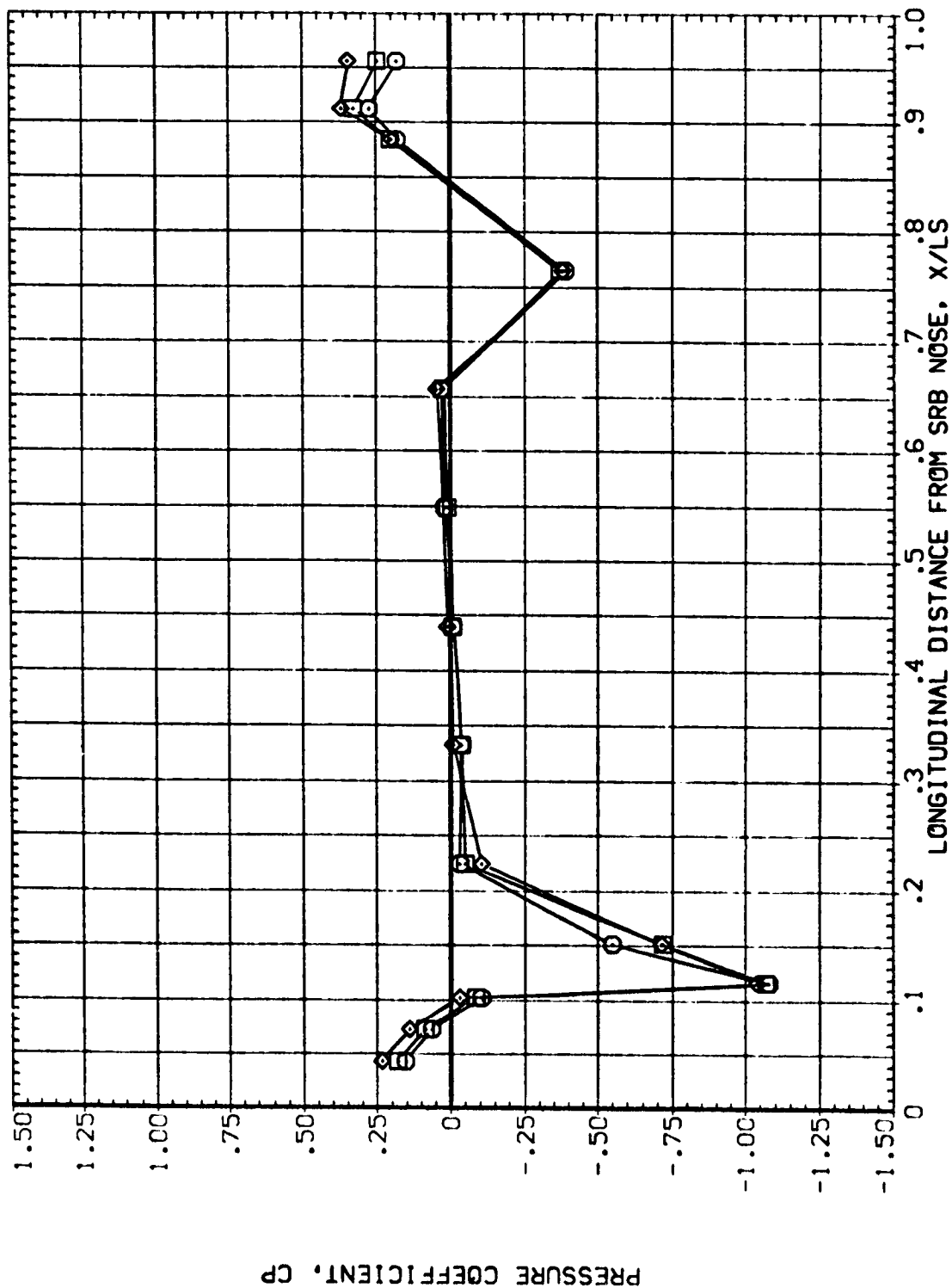
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SO. IN.	ALPHA	CONF IG	
○	67.500	8.000	.900	5.198	5.313	5.313	2.549	IN.	DELTA Z	.000	CONF IG
□	90.000							IN.	X-SRB	.140	RUDDER
◇	112.500							IN.		.000	ORBITAL
								IN.		.500	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

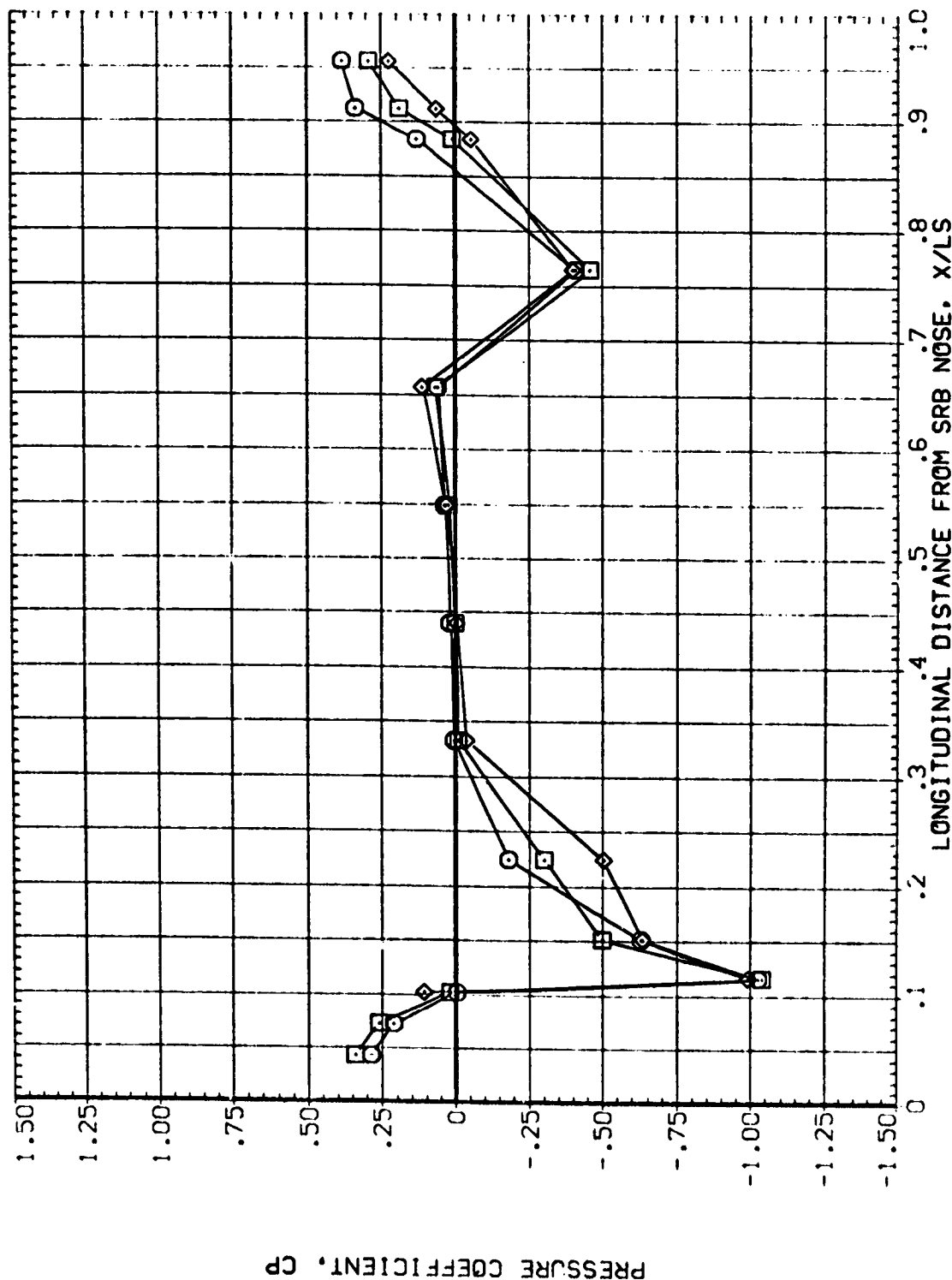
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	LREF	ALPHA	CONF IG	CONF IG	
○	135.000	8.000	.900	6.198	5.313	DELTA Z	.000	RUDDER	.000
□	157.500			5.313	2.549	X-SRB	.140	ORBITAL	.000
◇	180.000			2.549	.972		.000		.500
				YMRP	ZMRP				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

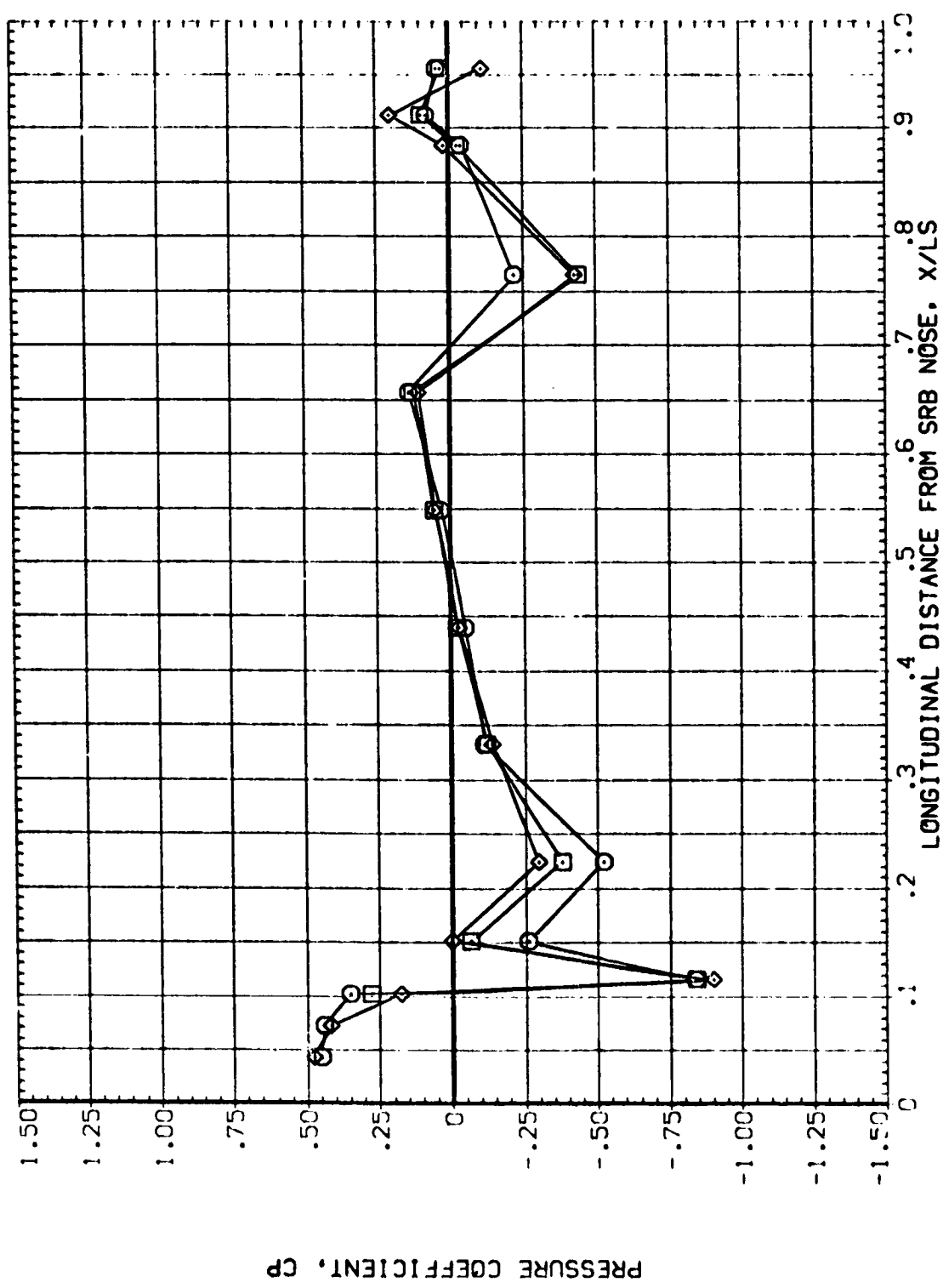
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SO. IN.	ALPHA	CONF IG	SC.000
○	202.500	8.000	.900	6.198	5.313	5.313	2.549	IN.	DELTAZ	.000	.000
□	225.000							IN.	X-SRB	.140	.000
◇	247.500							IN.	ORBITAL	.000	.500
								IN.			
								IN.			
								IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

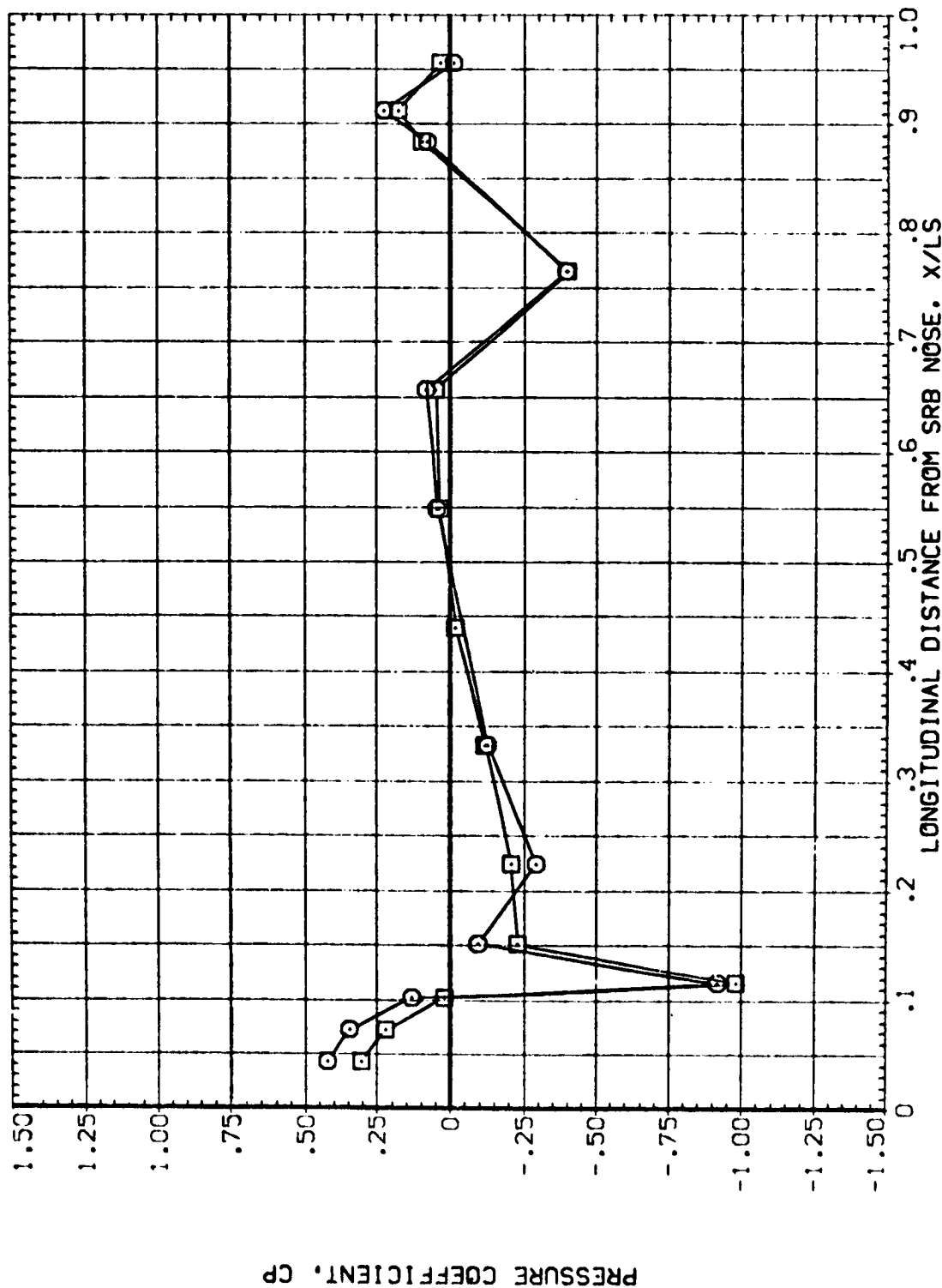
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				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTAZ	CONF 16	RUDER
○	270.000	8.000	.900	6.198	5.313	5.313	2.549	.972	.000	.000	.140	.000	.000
□	292.500									.000	.000	.000	.000
◇	315.000									.000	.000	.000	.000



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A92502)

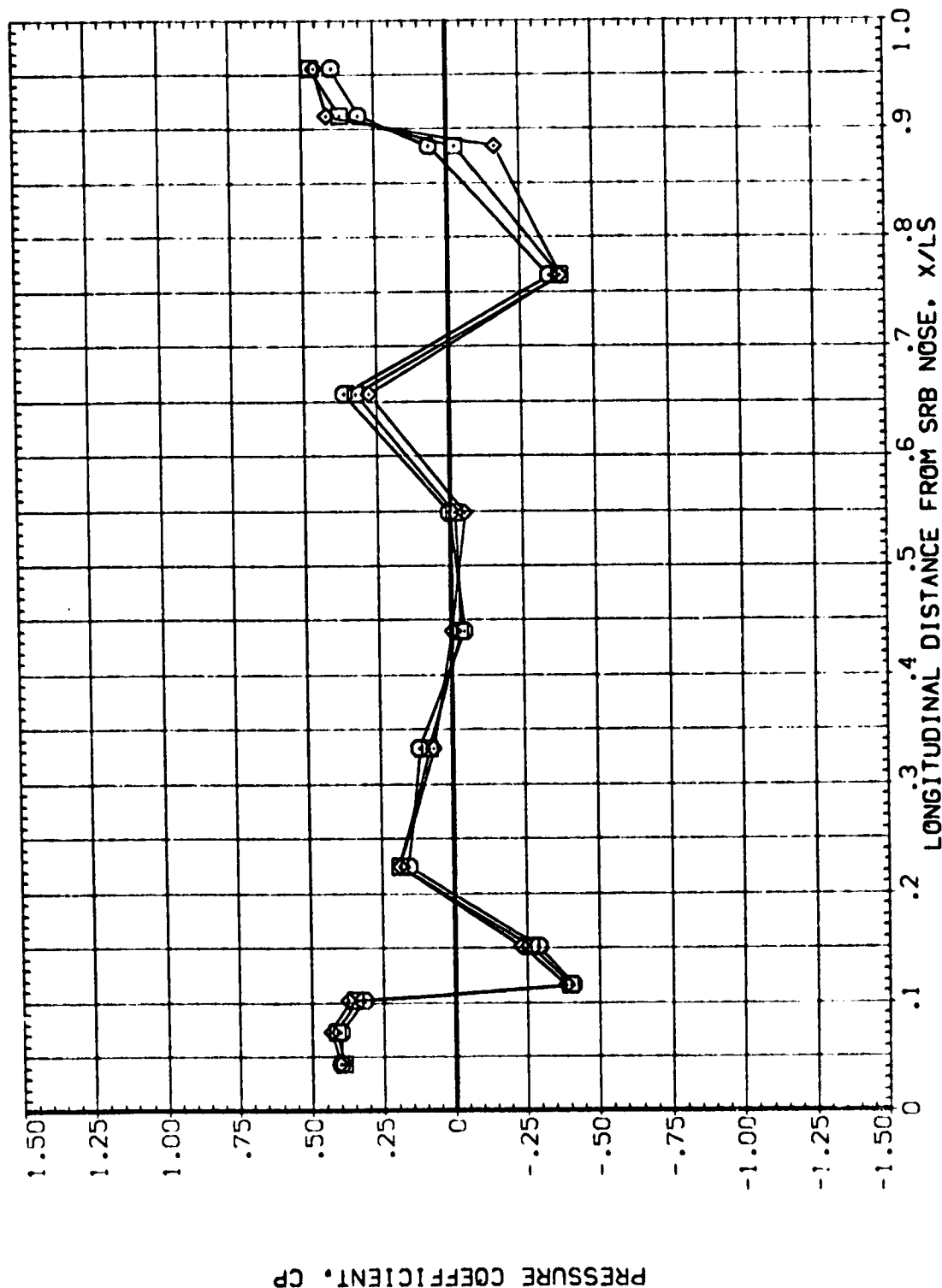
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	50. IN.	CONFIG	90.000
○	337.500	8.000	.900	LREF	5.313	IN.	.000	RUDER
□	360.000			BREF	5.313	IN.	.140	.000
				XI*RP	2.549	IN.	.000	ORBIT
				YI*RP	.972	IN.	.000	.500
				ZI*RP	.000	IN.		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

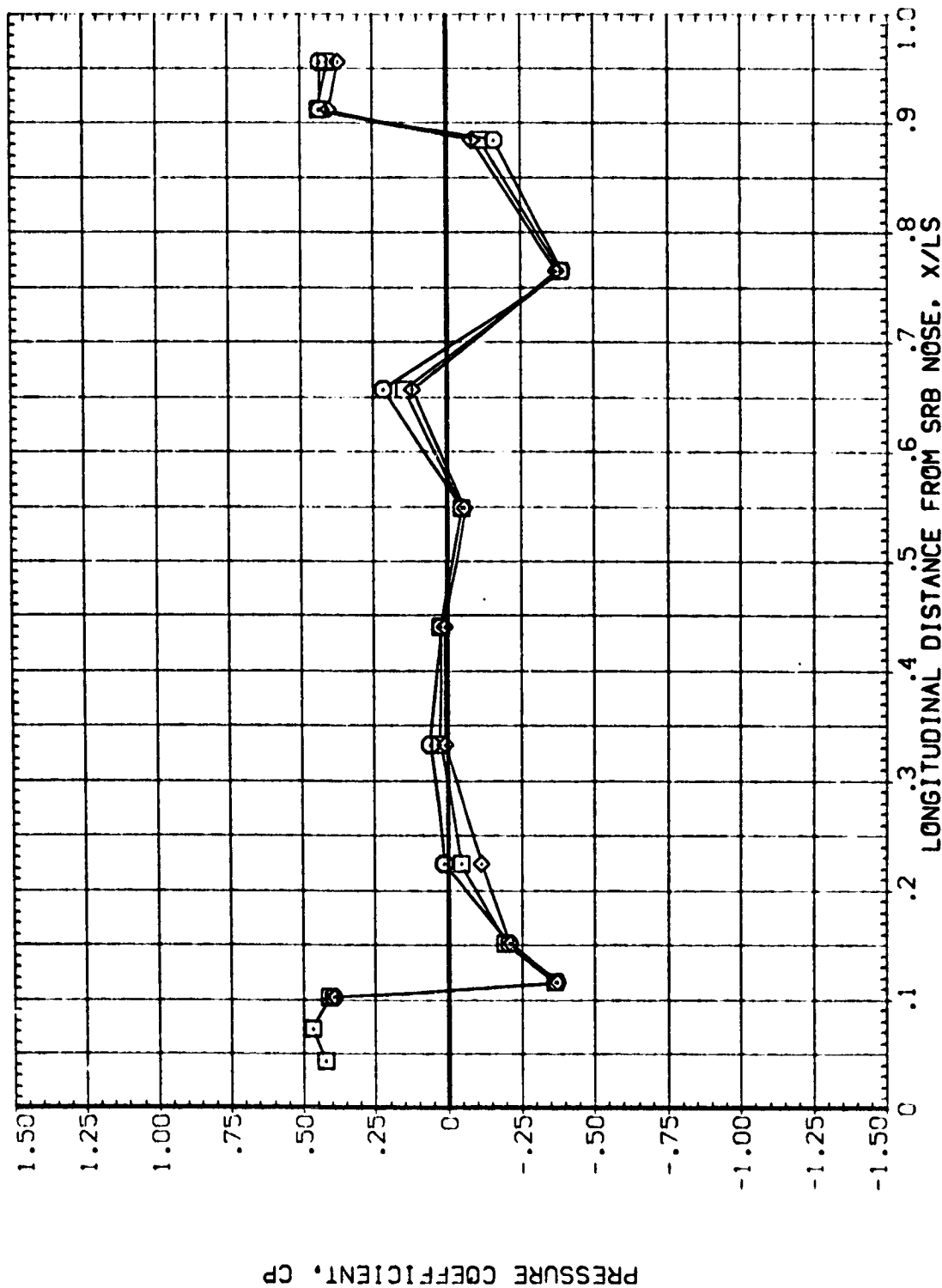
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◇	.000	-8.000	1.250	6.198	50. IN.	50. IN.	50. IN.	50. IN.	50. IN.	.000	.000
□	22.500			5.313						.140	RUDDER
◇	45.000			2.549						.000	ORBITAL
				.972						.000	ORBITAL
				.000						.000	ORBITAL



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

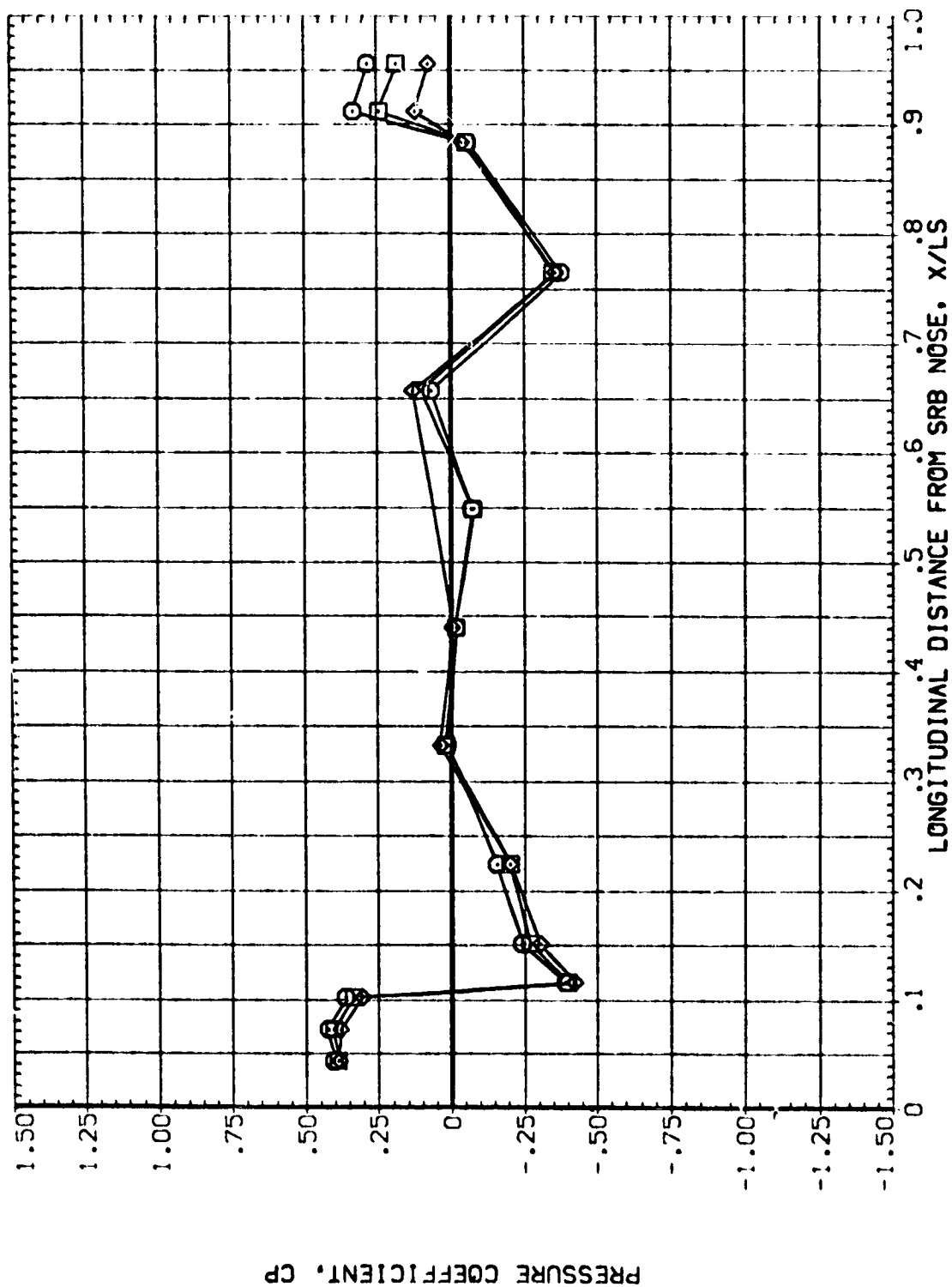
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				SREF	LREF	BREF	XMRP	SO. IN.	ALPHA	CONF IG	90.000
□	67.500	-8.000	1.250	5.313	5.313	5.313	2.549	IN.	DELTA Z	RUDDER	.000
◇	90.000			5.313	5.313	5.313	2.549	IN.	X-SRB	ORBITAL	.500
◇	112.500			5.313	5.313	5.313	2.549	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

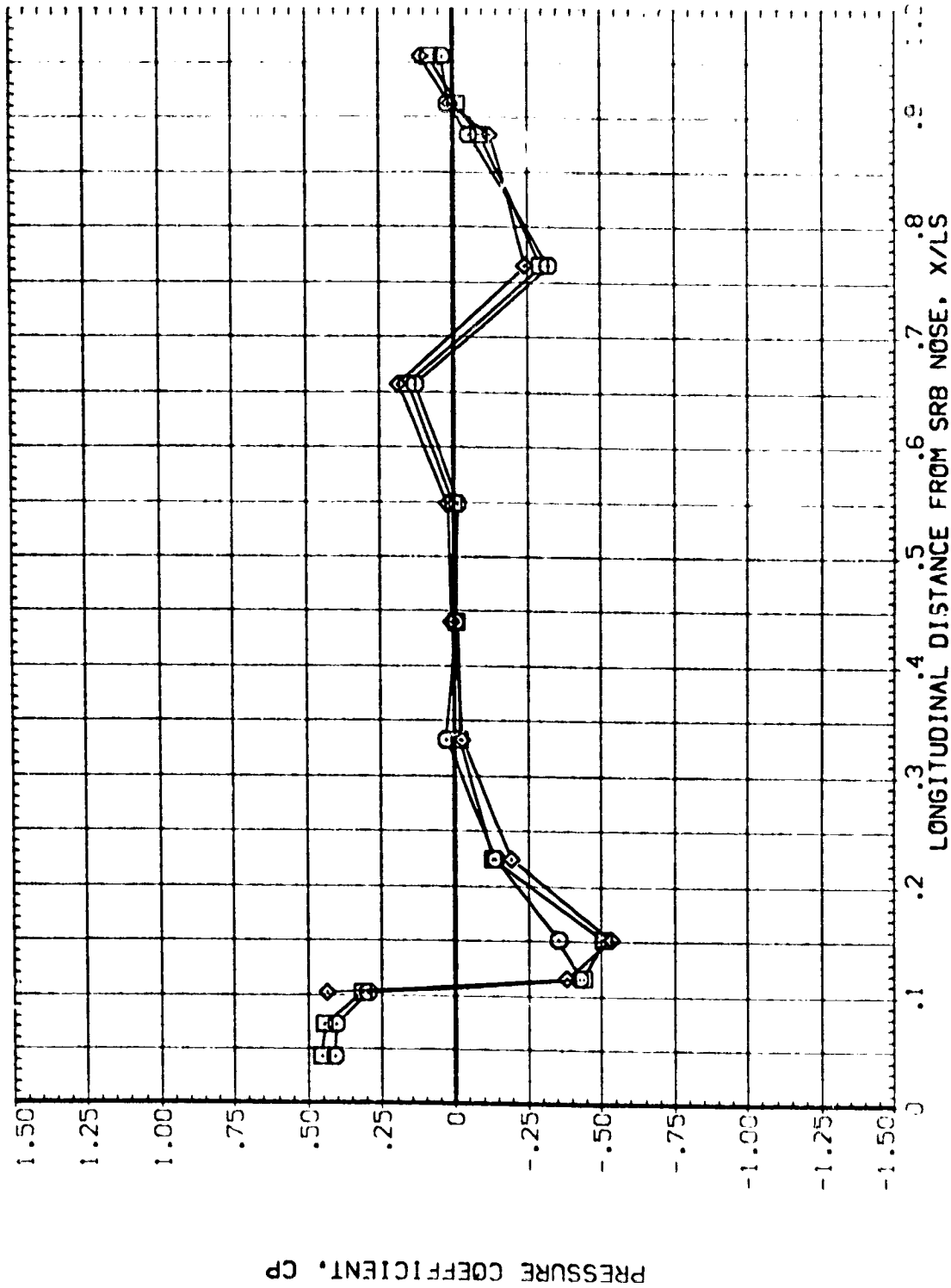
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				SREF	6.198	ALPHA	.000	CONFIG	90.000
○	136.000	-8.000	1.25G	LREF	5.313	DELTAZ	.140	RUDER	.000
□	157.500			BREF	5.313	X-SRB	.000	ORBIT	.500
◇	160.000			YMRP	2.549				
				ZMRP	.972				
					.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

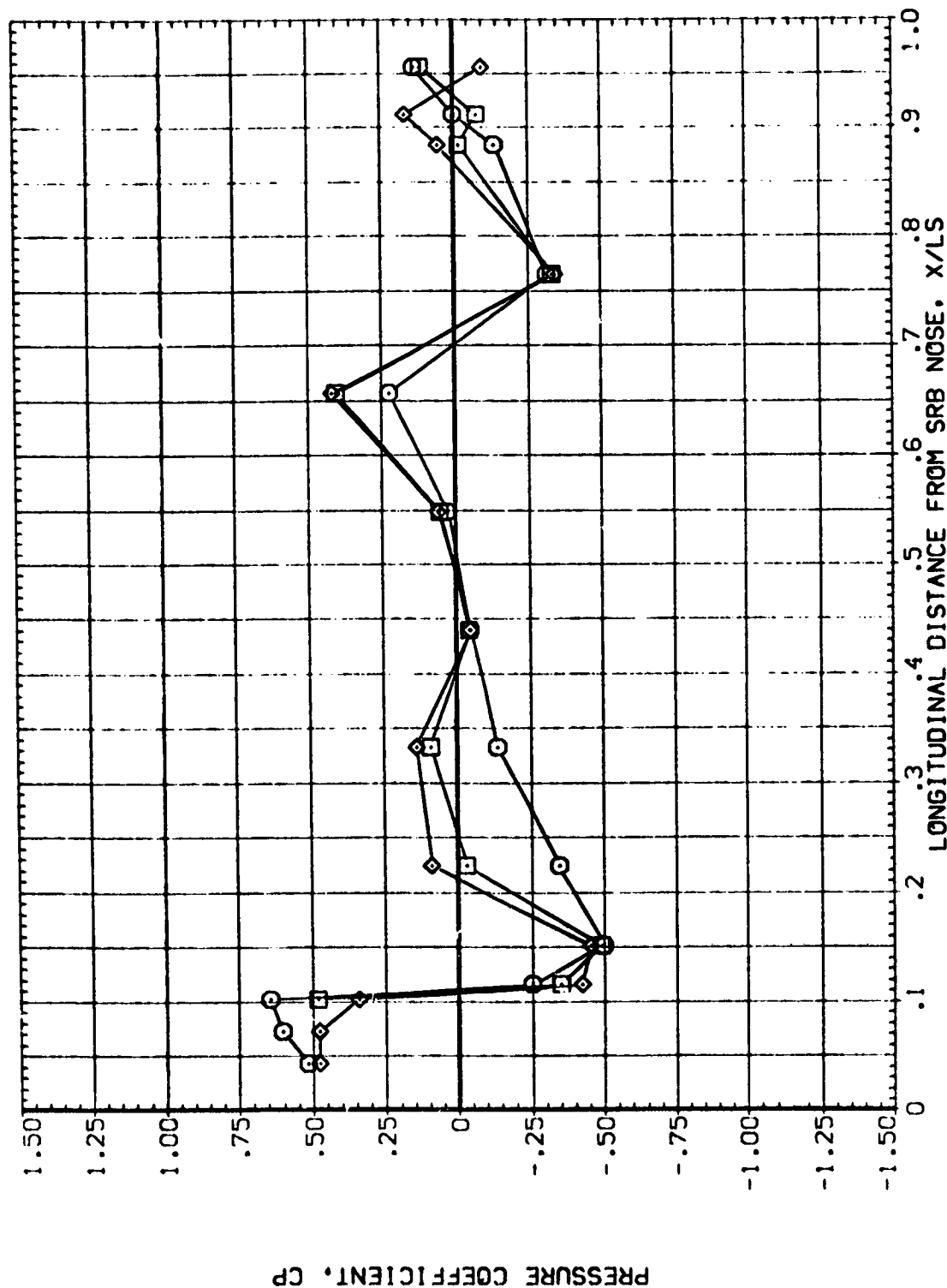
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	XMRP	ZMRP	SO IN.	ALPHA	CONFIS	SC
○	202.500	-8.000	1.250	6.198	5.313	5.313	.000	IN.	DELTAZ	.000	.000
□	225.000			2.549				IN.	X-S28	.140	.000
◇	247.500			.972				IN.	OPB:NC	.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

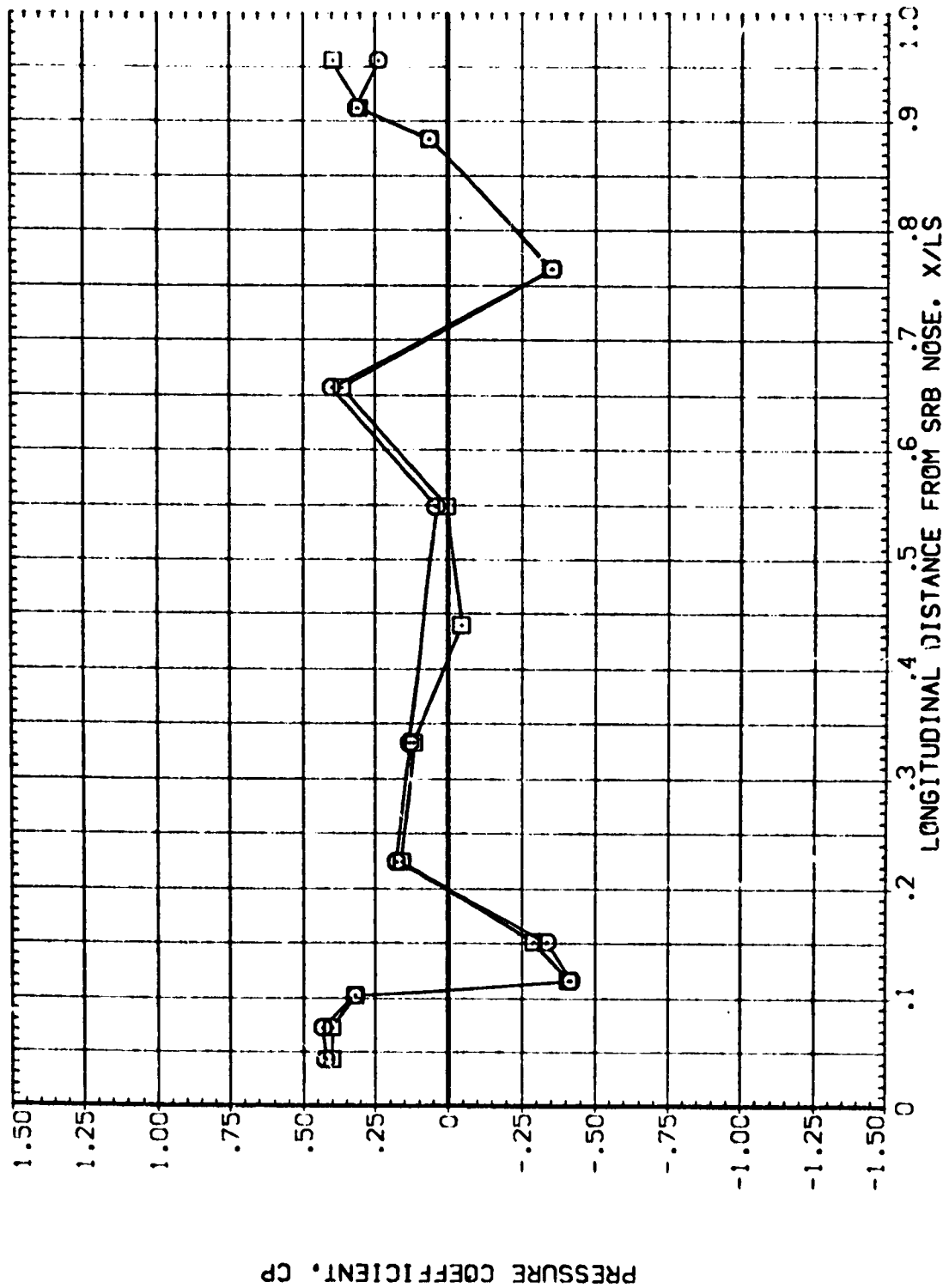
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<input type="radio"/>	315.000			X*RP	5.313	IN.	X-SRB	.000
<input checked="" type="radio"/>				Y*RP	2.549	IN.		
				Z*RP	.972	IN.		
					.000	IN.		
							CONF 15	90.000
							RUDER	.000
							ORBIT NC	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

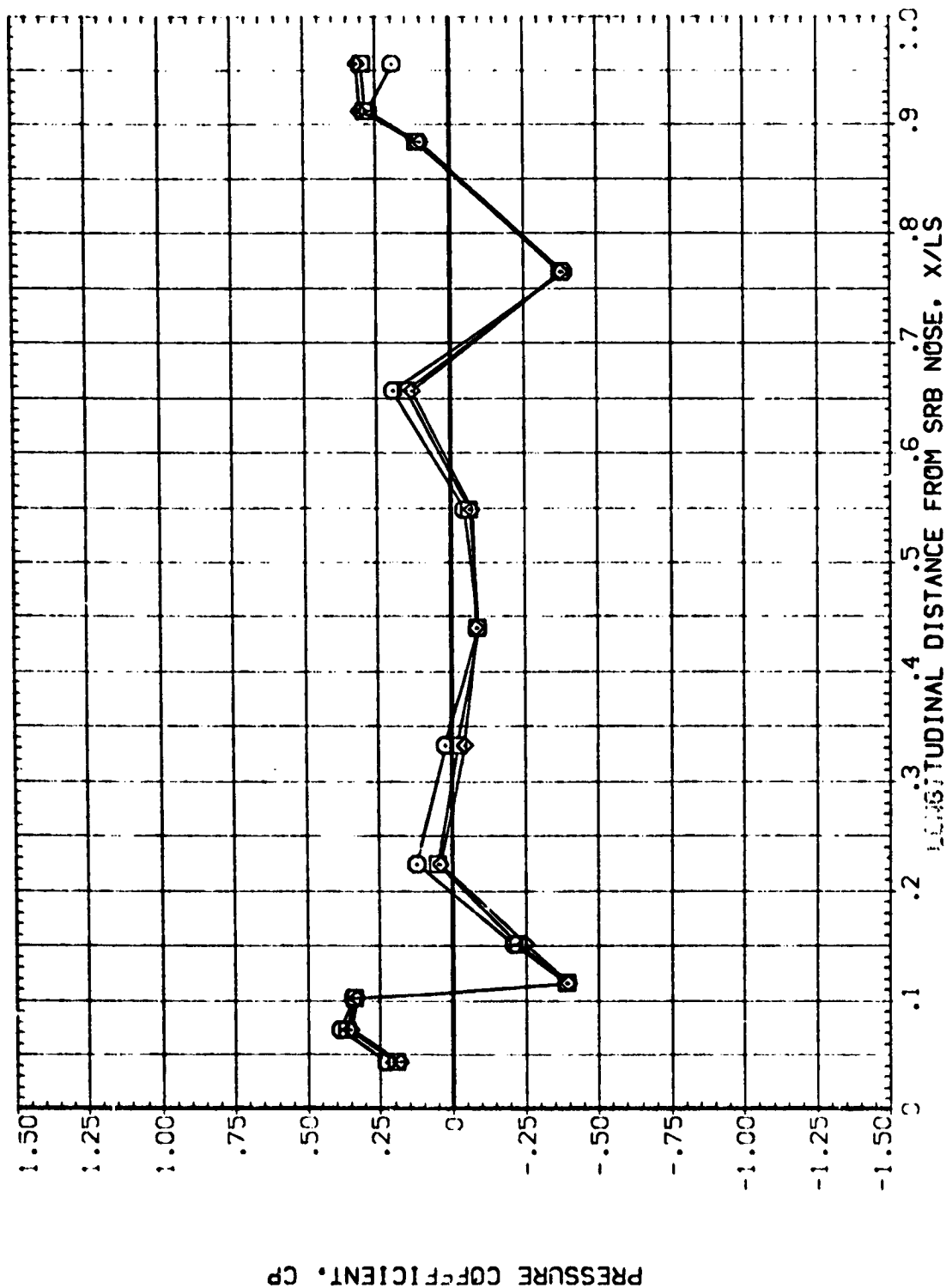
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				SREF	LREF	BREF	XMRP	SO, IN.	ALPHA	CONF IG	SC, DOG
□	337.500	-8.000	1.250	6.198	5.313	5.313	2.548	IN.	DELTA Z	RUDDER	.000
□	360.000			.972	.000			IN.	X-SRB	ORBITAL	.000
								IN.			.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

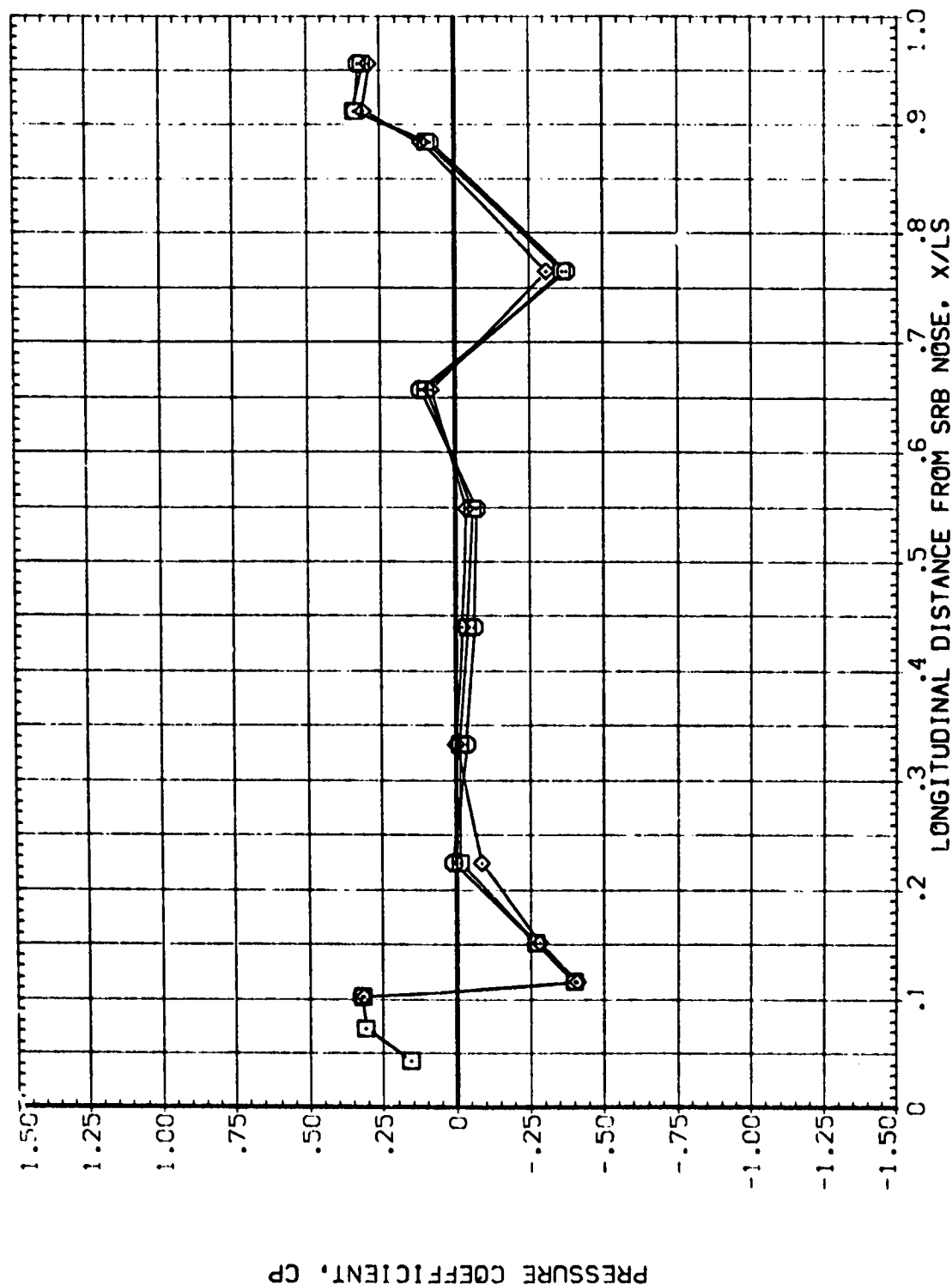
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□	22.500	.000	1.250	LREF	5.313	IN.	DELTA Z	.140	RUDDER	.000
◇	45.000			BREF	5.313	N.	X-SRB	.000	SRB INC	.500
				AMPD	2.548	IN.				
				VMRP	.972	N.				
				ZMRP	.000	IN.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

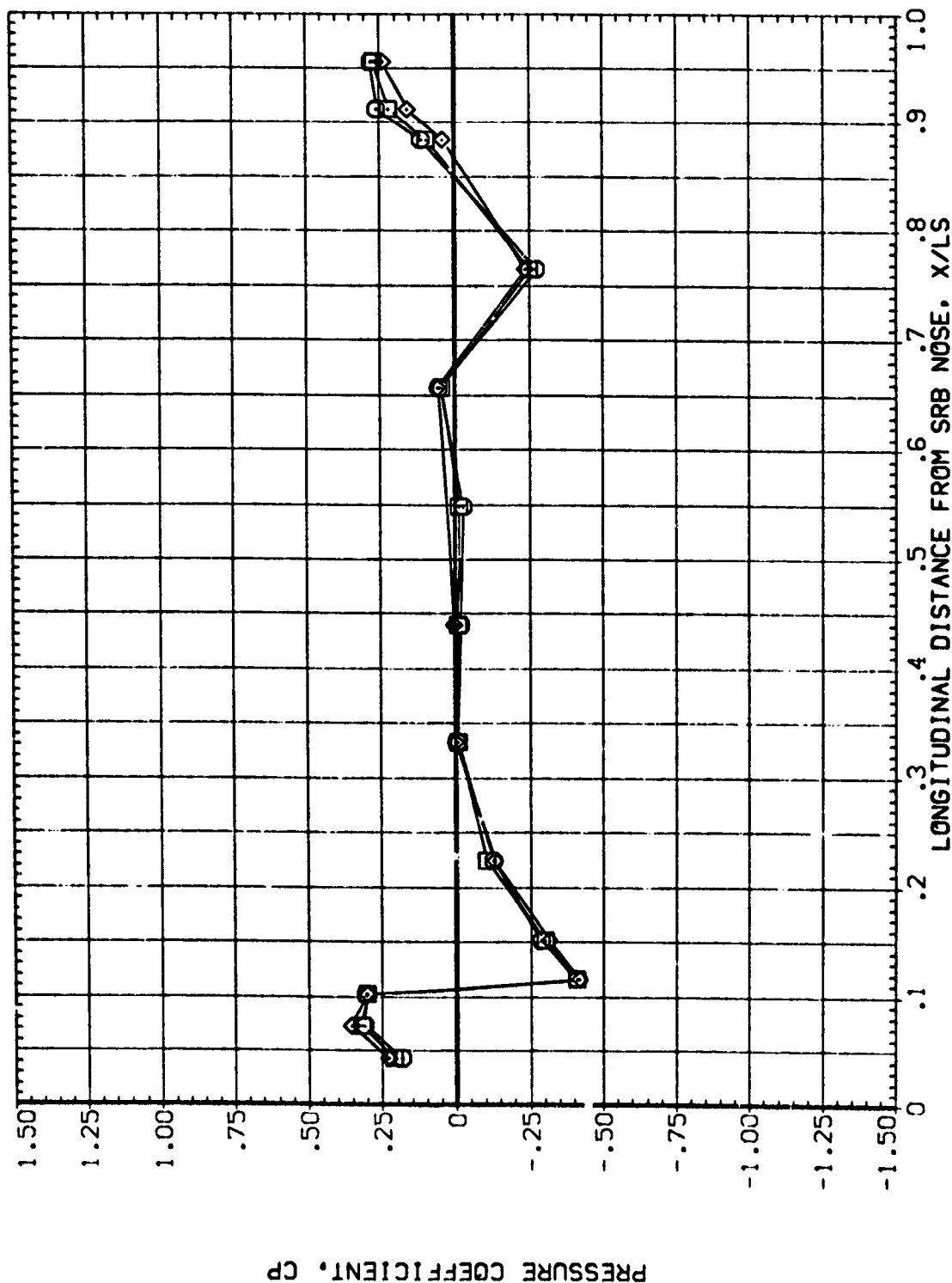
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				SREF	LREF	BREF	XMRP	ALPHA	DELTAZ	CONF IG	90.000
○	67.500	.000	1.250	6.198	5.313	5.313	2.549	50. IN.	IN.	.000	.000
□	90.000							X-SRB		.140	.000
◇	112.500									.000	.500
										ORR INC	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

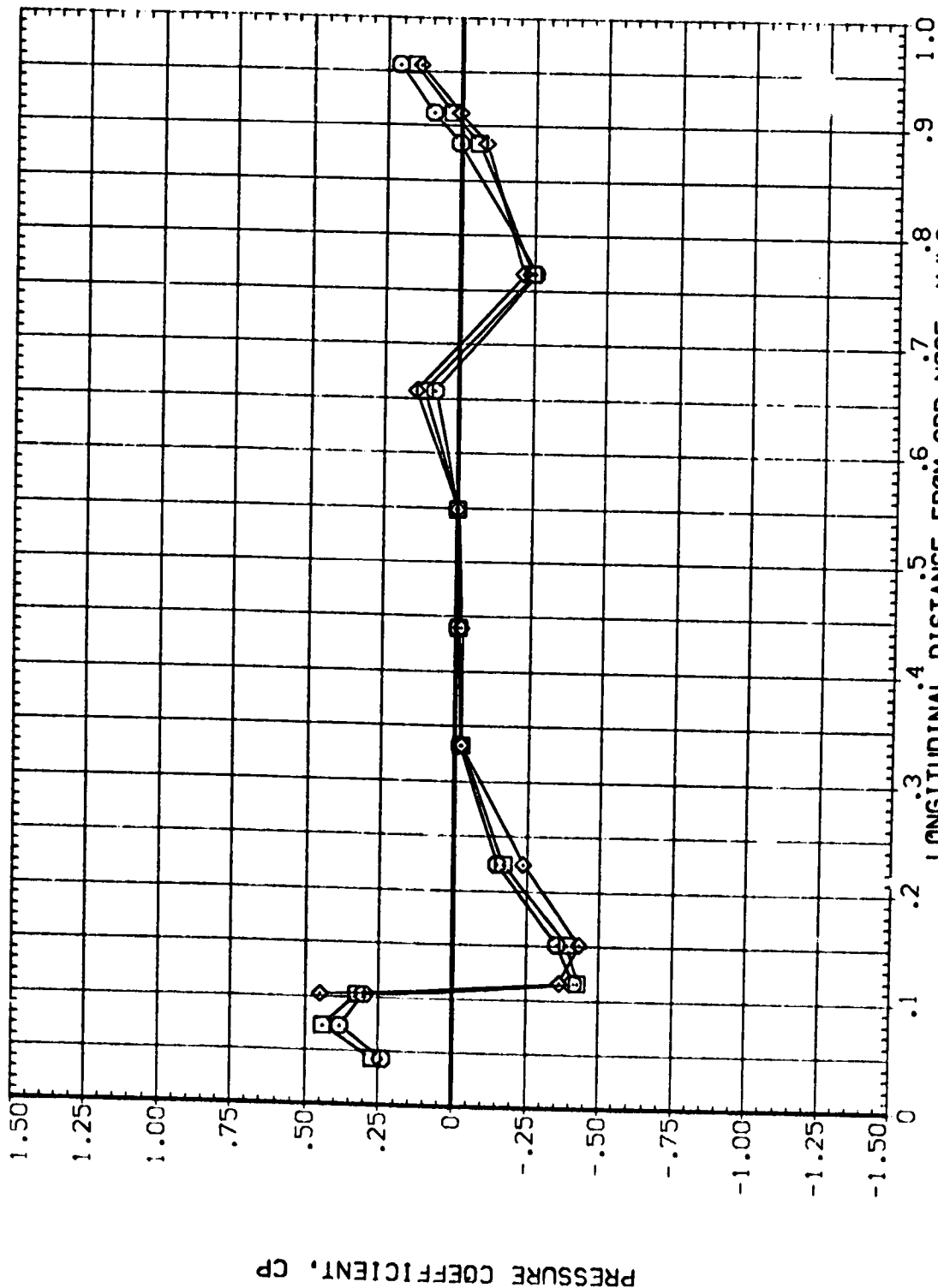
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○	135.000	.000	1.250	6.198	5.313	5.313	2.549	IN.	DELTA Z	.000	CONF IG
□	157.500							IN.	X-SRB	.140	RUDDER
◇	180.000							IN.		.000	ORBITAL
								IN.		.500	
								IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

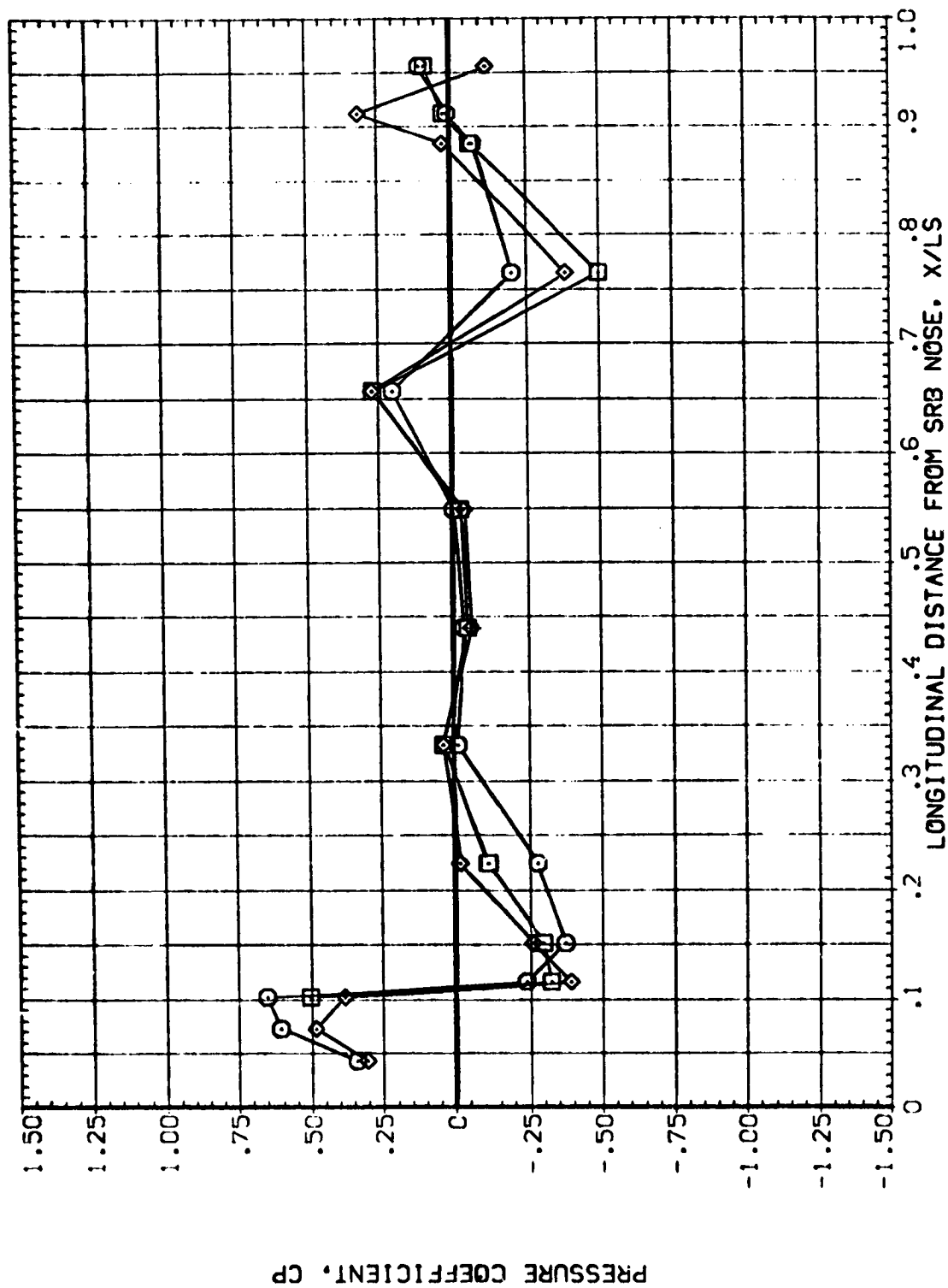
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□	225.000			LREF 5.313	.140 RUDDER
◇	247.500			BREF 5.313	.000 ORB INC
				XMRP 2.549	
				YMRP .572	
				ZMRP .000	
					90.000
					.000
					.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

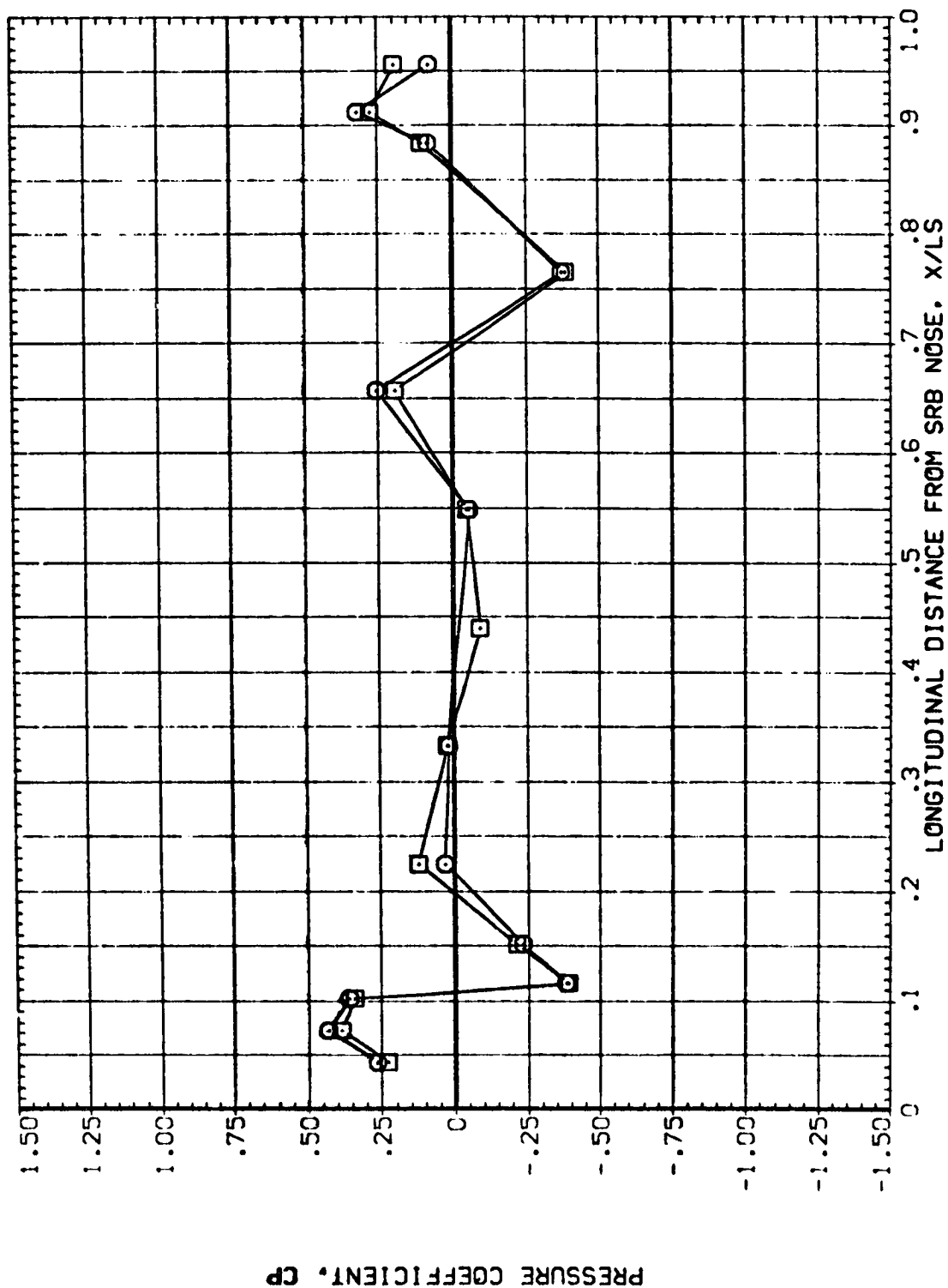
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				SREF	LREF	ALPHA	CONFIG	CONFIG	
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□	292.500			5.313	2.549	X-SRB	.140	ORBITAL	.500
◇	315.000			.572	.000		.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

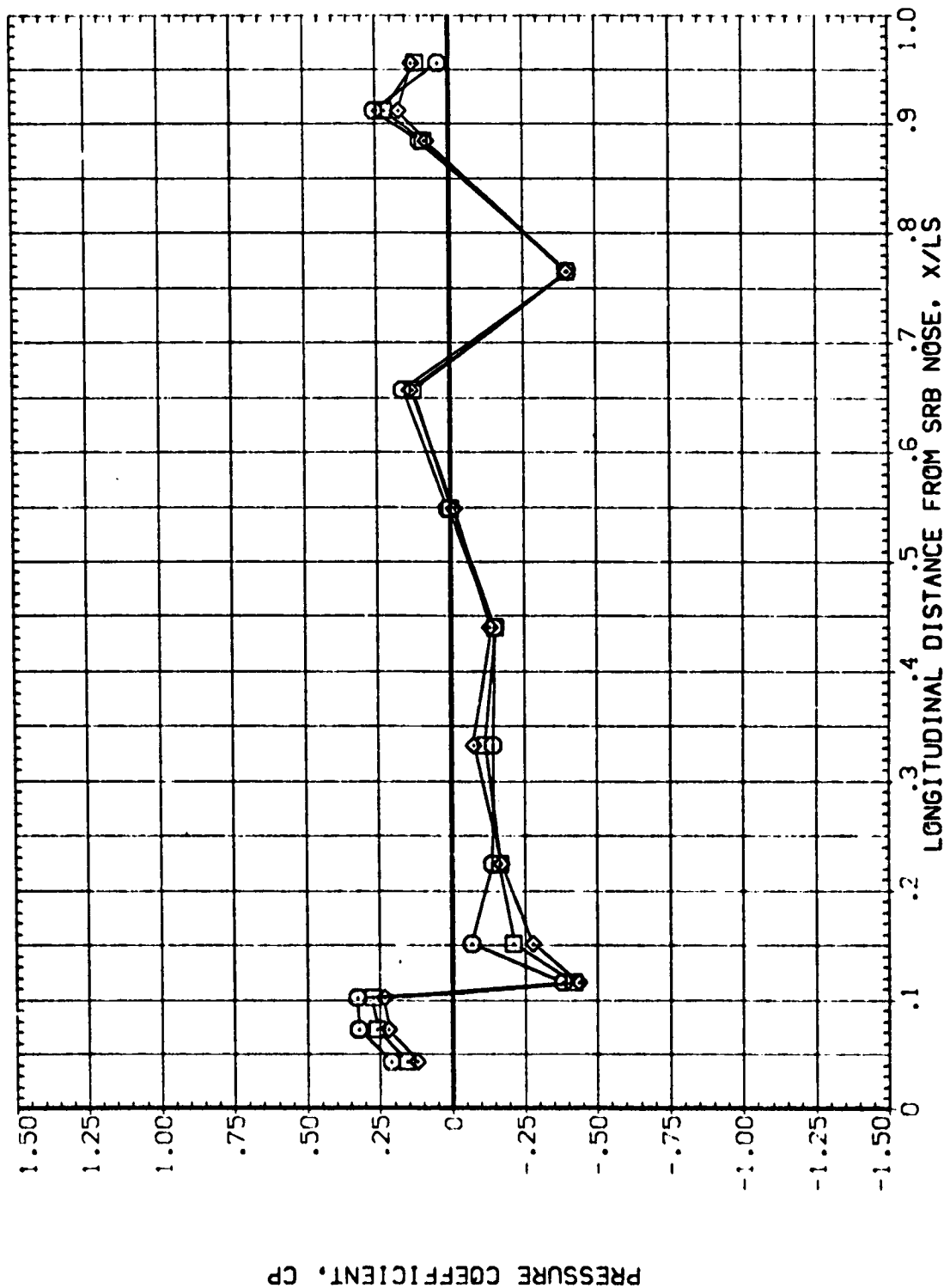
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	.000	CONF IG	90.000	
○	337.500	.000	1.250	LREF	5.313	IN.	DELTA Z	.140	RUDDER	.000	
□	360.000			BREF	5.313	IN.	X-SRB	.000	ORIGIN	.500	
				XMRP	2.549	IN.					
				YMRP	.972	IN.					
				ZMRP	.000	IN.					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

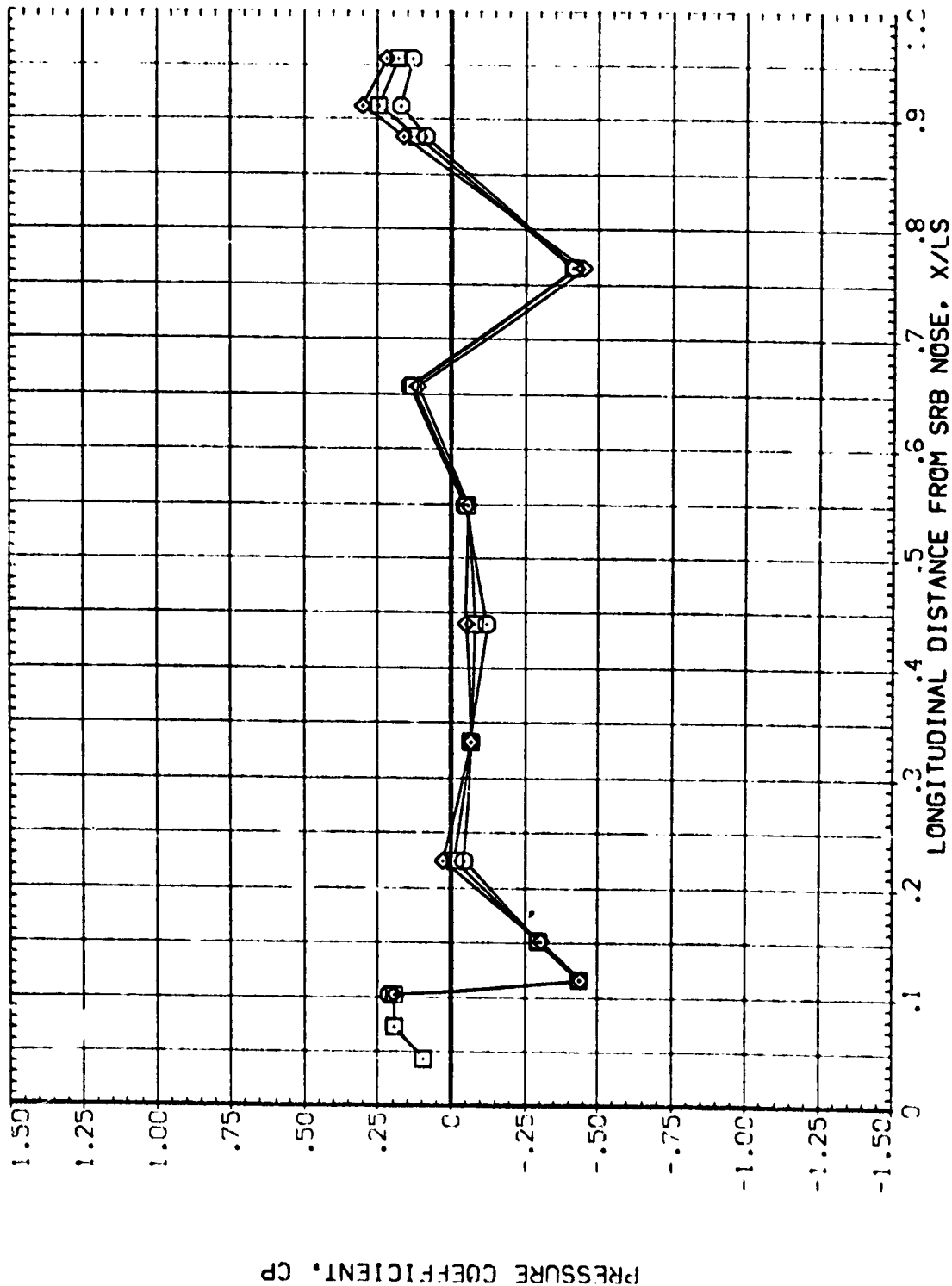
SYMBOL	PH-I	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES				
				SREF	6.198	SO. IN.	ALPHA	CONF IG	90.000	
○	.000	8.000	1.250	LREF	5.313	IN.	DELTA Z	.000	RUDDER	.000
□	22.500			BREF	5.313	IN.	X-SRB	.000	ORB INC	.500
◇	45.000			XMRP	2.549	IN.				
				YMRP	.972	IN.				
				ZMRP	.000	IN.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

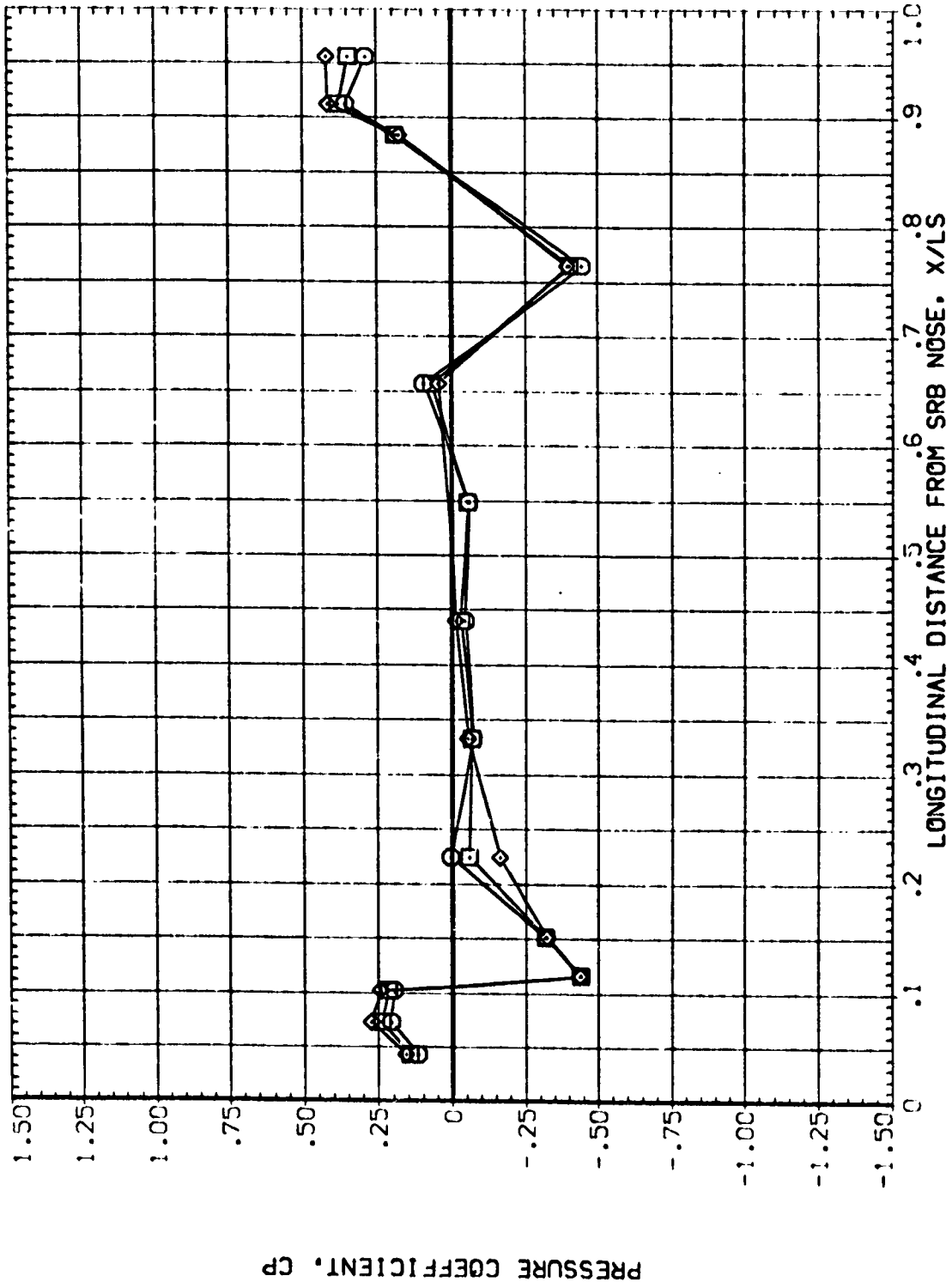
SYMBOL	PHI	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	67.500	8.000	1.250	SREF 6.198	CONF IG .000
□	90.000			LREF 5.313	RUDER .140
◇	112.500			BREF 5.313	X-SRB .000
				XMRP 2.549	ORBITAL .500
				YMRP .972	
				ZMRP .000	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

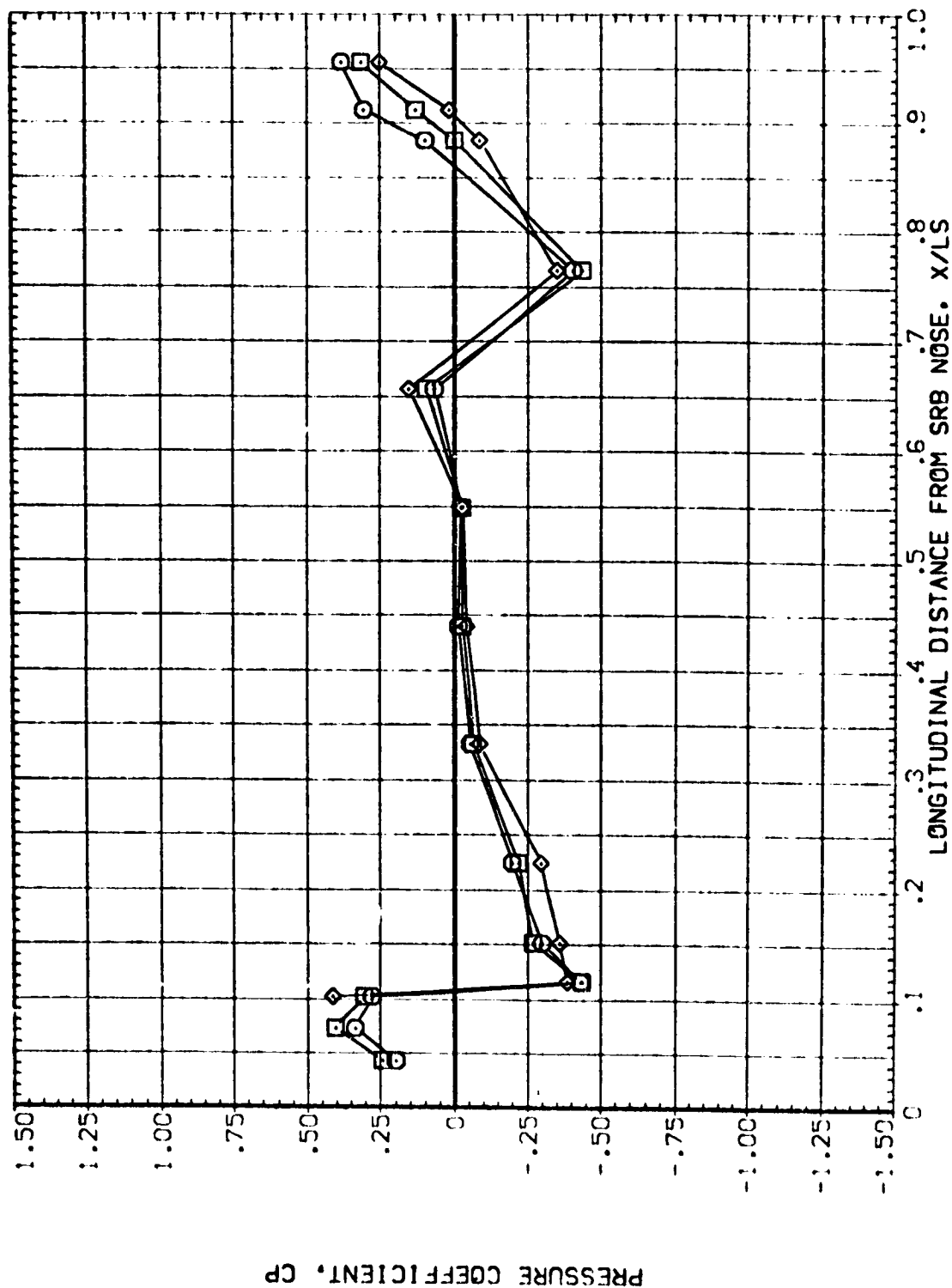
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	SO, IN.	CONF IG
○	135,000	8.000	1.250	6.198	5.313	5.313	2.549	.972	.000	.000	.000
□	157,500									.140	RUDDER
◇	180,000									.000	ORBITAL



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

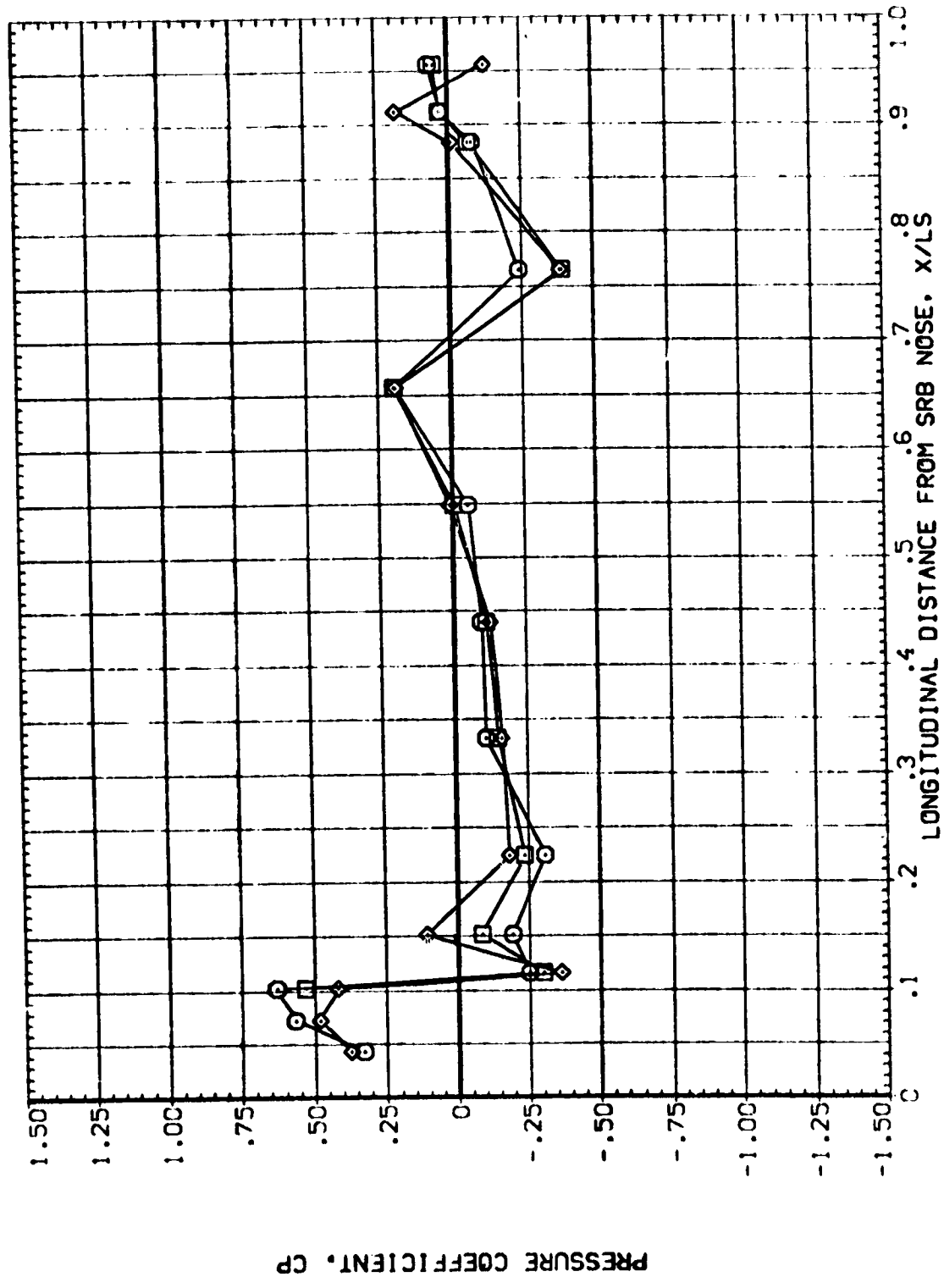
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XPRP	SD.IN.	ALPHA	CONF IG	SRB INC
○	202.500	8.000	1.250	6.198	5.313	5.313	2.549	IN.	DELTA Z	.000	.000
□	225.000						.972	IN.	X-SRB	.000	.000
◇	247.500						.000	IN.		.500	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

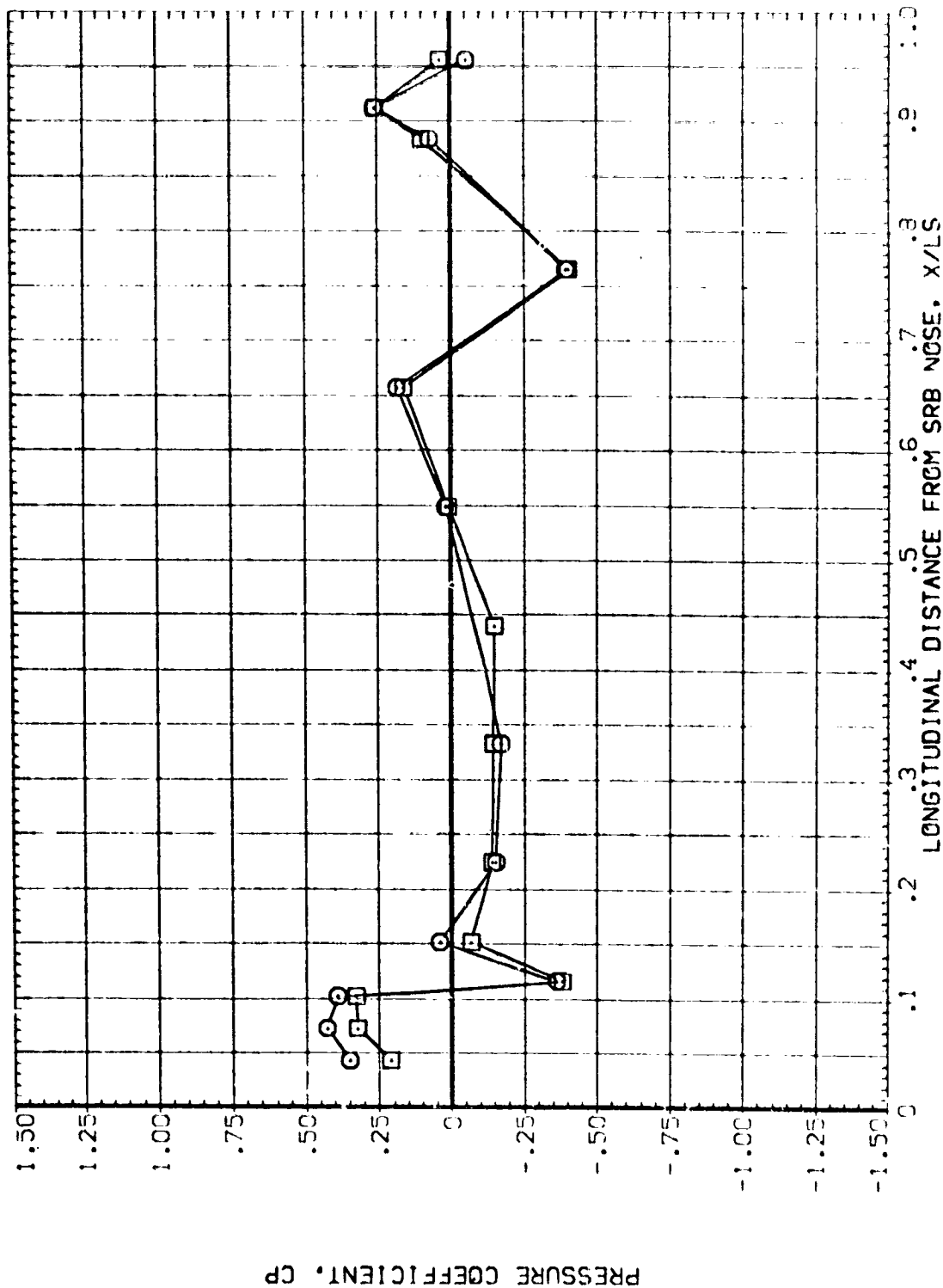
SYMBOL	PHI	BETA	MACH	REFERENCE DATA						PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTAZ	X-SRB	CLIFF
	270.000	8.000	1.250	6.198	5.313	5.313	2.549	.572	.000	.000	.140	.000	.000
	292.500									.000	.000	.000	.000
	315.000									.000	.000	.000	.000



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

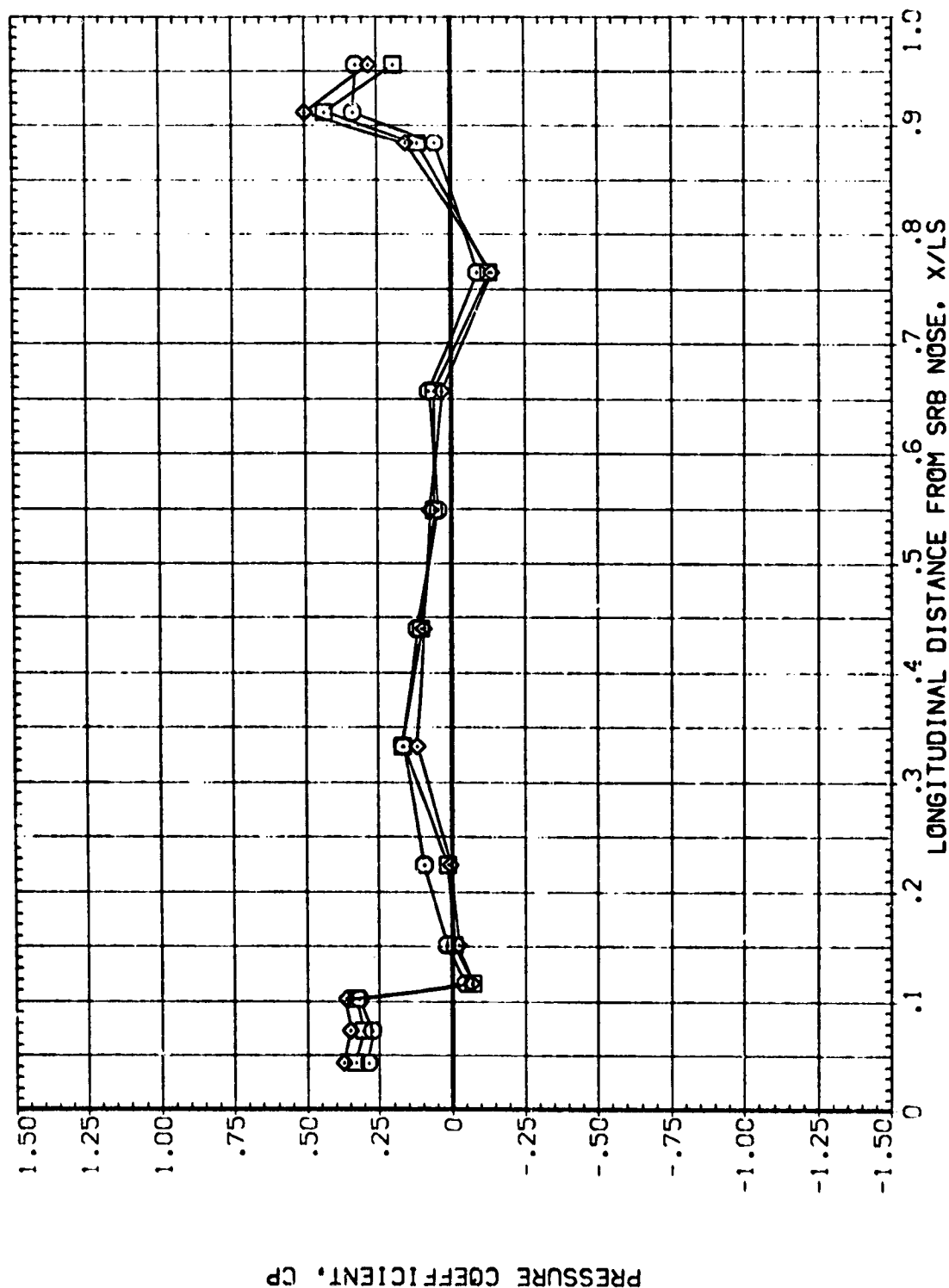
SYMBOL	PHI	BETA	MACH	REFERENCE DATA						PARAMETRIC VALUES					
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG IN.	IN.	ALPHA	DELTA Z	CONFIG	RUDDER
○	337.500	8.000	1.250	6.198	5.313	5.313	2.549	.972	.000	.000	.000	.000	.140	.000	.000
□	360.000												.000	.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

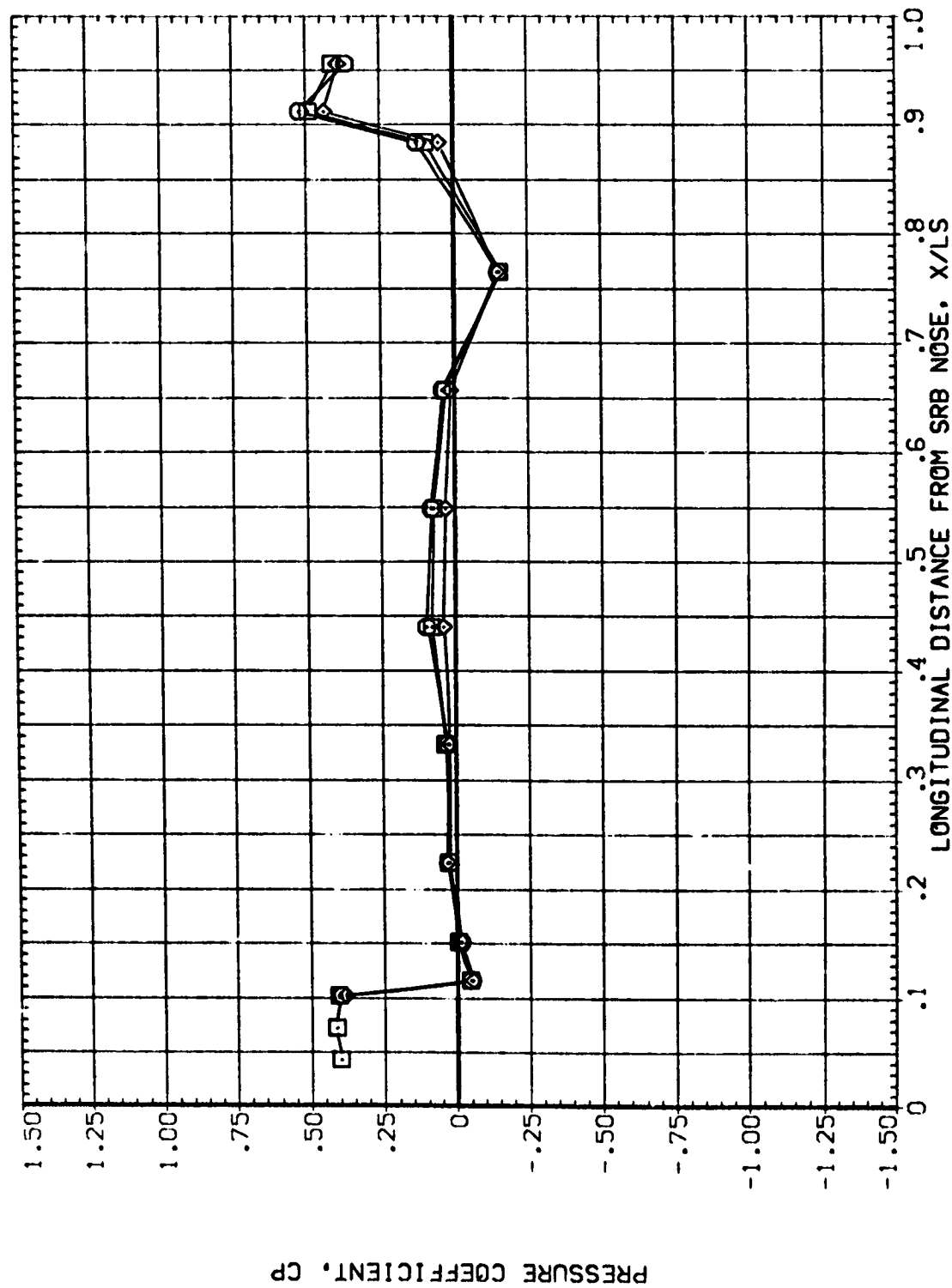
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRD	YMRD	ZMRD	ALPHA	DELTAZ
○	.000	-8.000	1.960	5.198	5.313	5.313	2.549	.972	.000	.000	.140
□	22.500									.000	.000
◇	15.000									.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

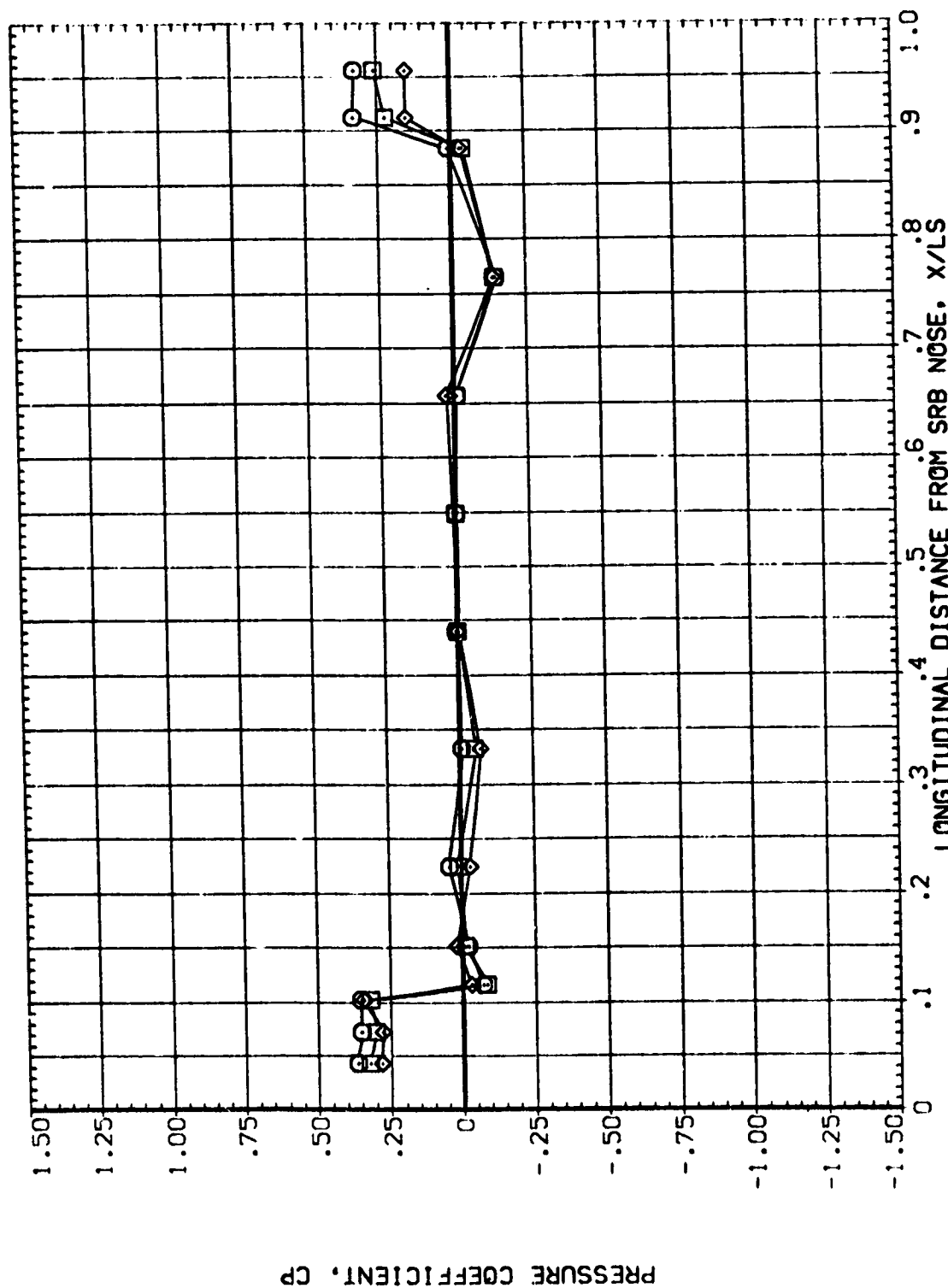
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

SYMBOL	PHI		BETA		MACH		REFERENCE DATA				PARAMETRIC VALUES			
	67.500	90.000	-9.000	1.960			SREF	5.198	50. IN.	ALPHA	CONF IG	90.000		
□	90.000						LREF	5.313	IN.	DELTA Z	RUDDER	.000	.000	
◇	112.500						BREF	5.313	IN.	X-SRB	ORB INC	.140	.000	.500
							XMRP	2.549	IN.					
							YMRP	.972	IN.					
							ZMRP	.000	IN.					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

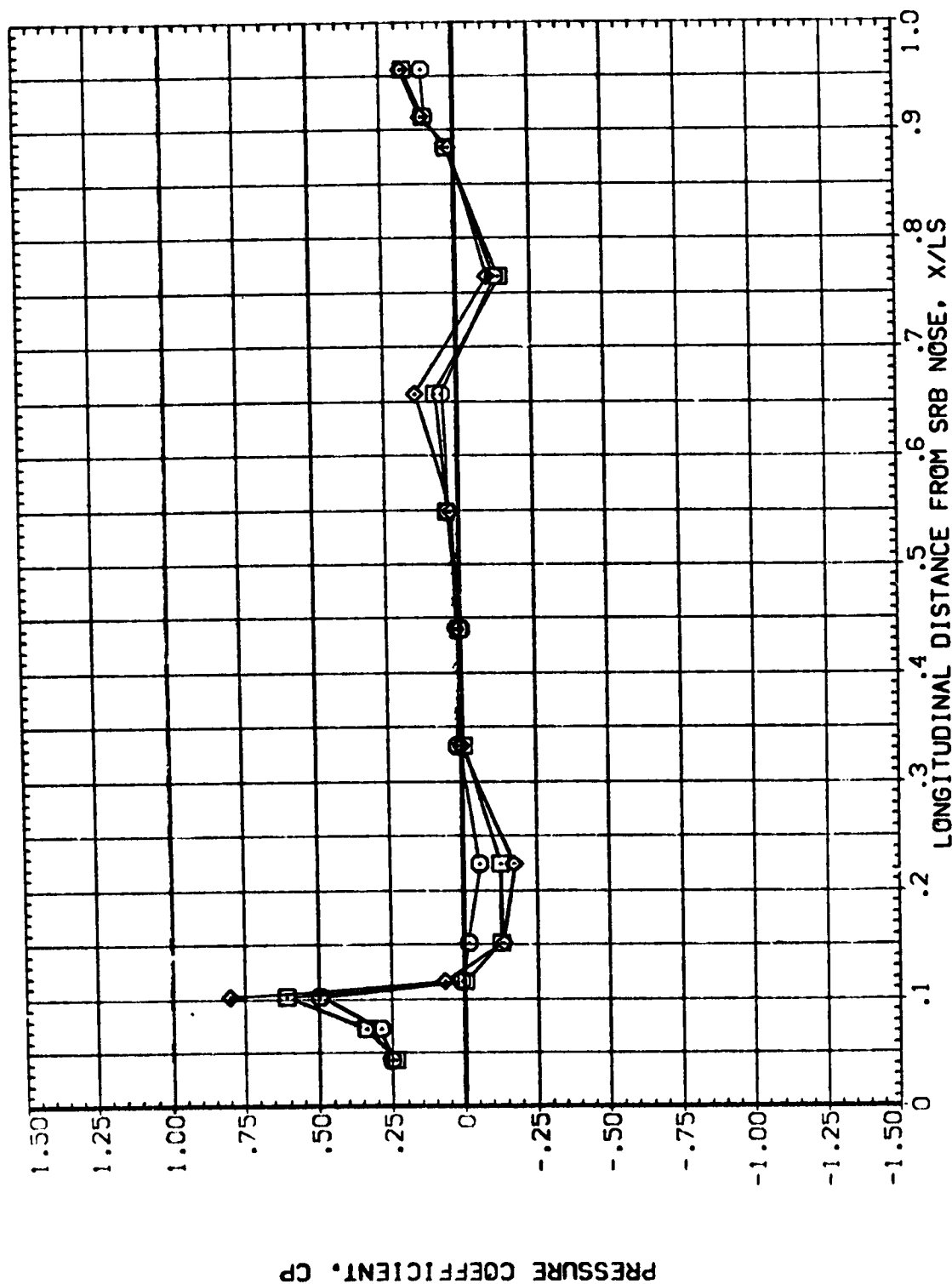
SYMBOL	PHI	BETA	MACH	REFERENCE DATA			
○	135.000	-8.000	1.960	SREF	6.198	SO. IN.	ALPHA .000 CONF'G 90.000
○	157.500			LREF	5.313	IN.	DELTAZ .00C RUDDER .00C
□	160.000			BREF	5.313	IN.	X-SRB .000 ORBINC .50C
◇				XMRP	2.549	IN.	
				YMRP	.972	IN.	
				ZMRP	.000	IN.	



03 S3/2 T9 SRM BOOSTER ON LEFT S3/2 T9 SRM BOOSTER

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

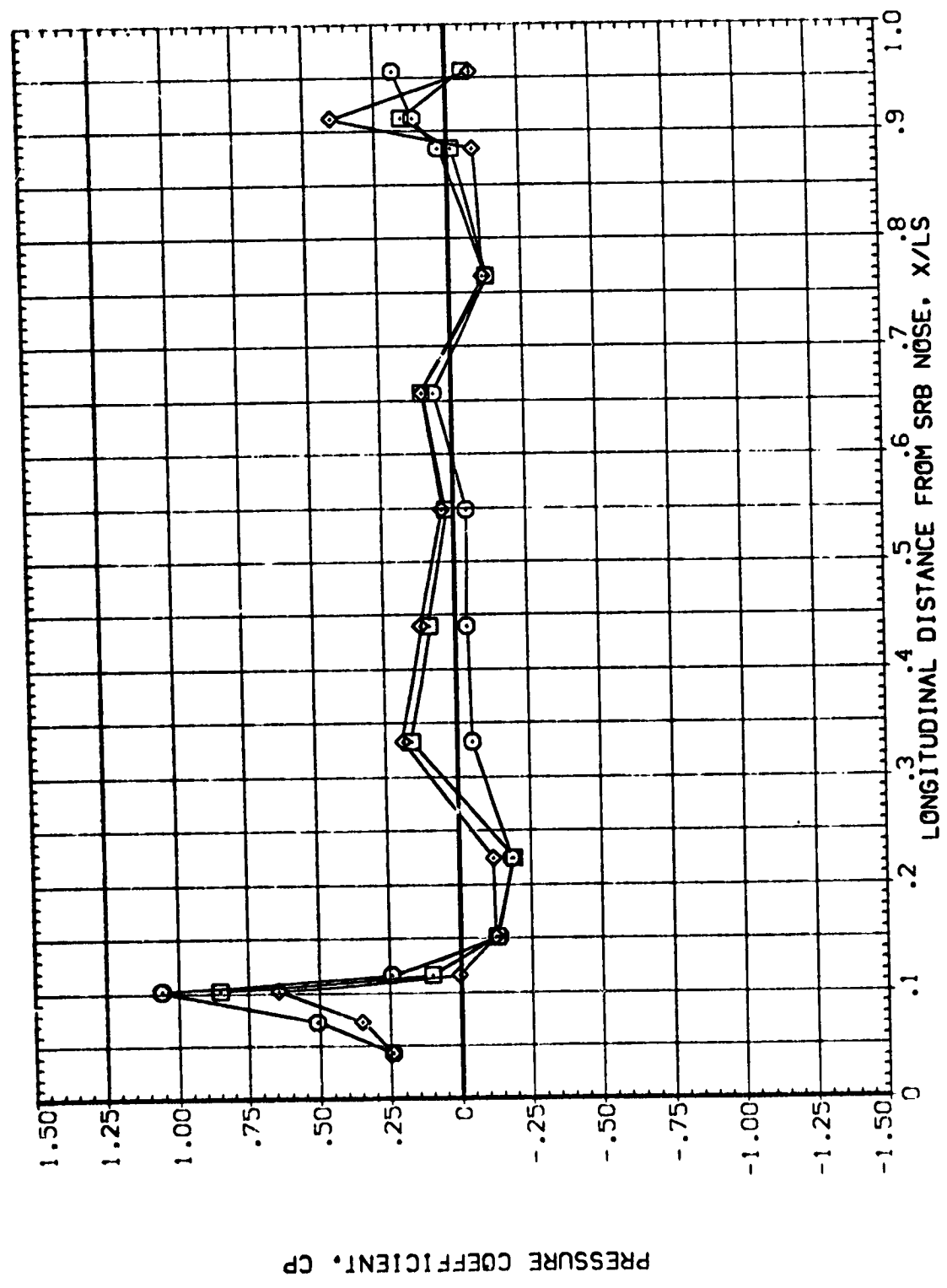
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SO. IN.	CONF IG	
○	202.500	-8.000	1.960	LREF	6.198	.000	.000
□	225.000			BREF	5.313	.140	.000
◇	247.500			XPRP	2.549	.000	.500
				ZPRP	.972	.000	.000
						DELTA Z	
						X-SRB	
						DRB INC	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

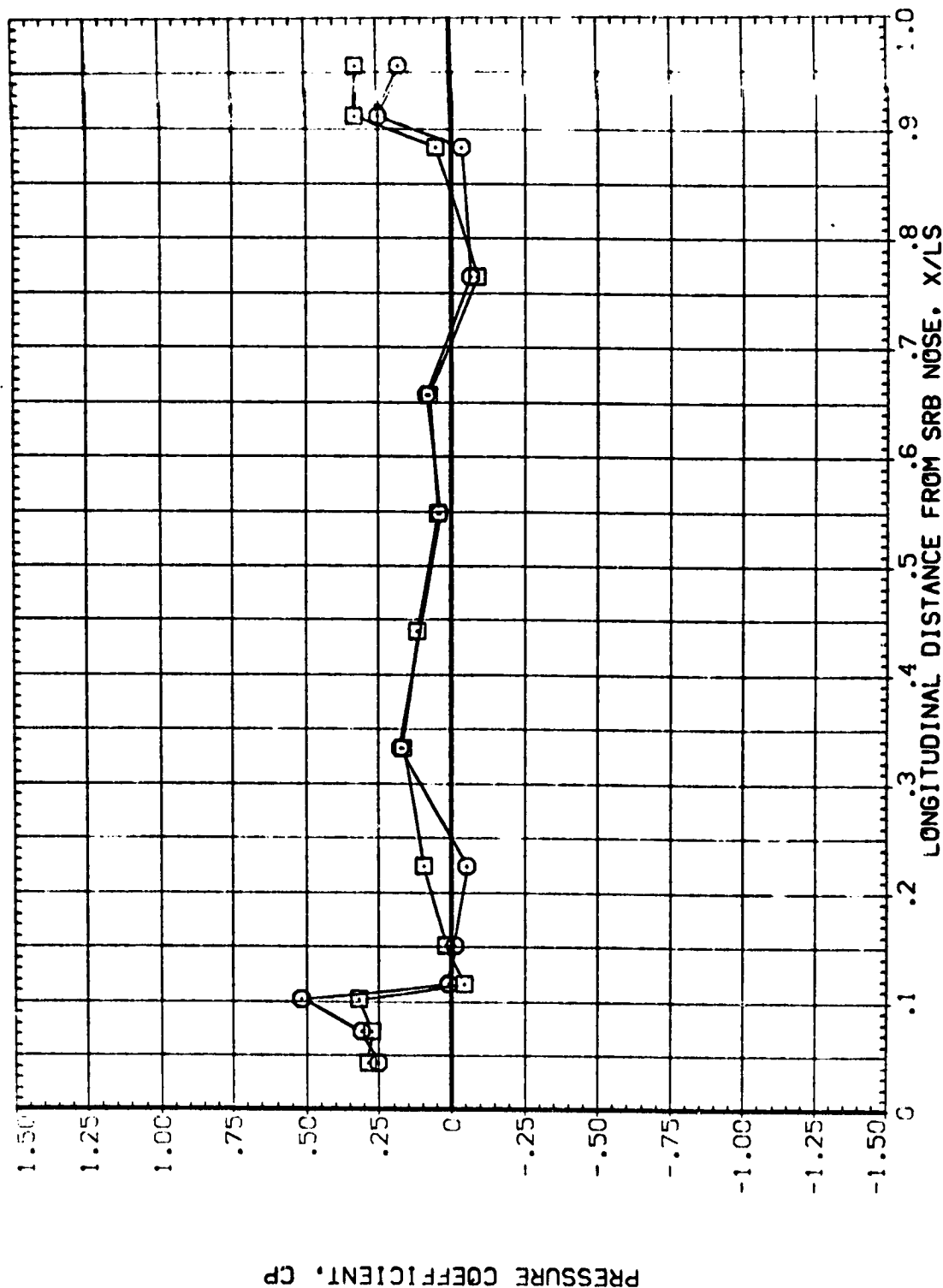
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	ALPHA	.000	CONFIG
○	270.000	-8.000	1.960	6.198	DELTA Z	.140	RUDDER
□	292.500			5.313	X-SRB	.000	ORBITAL
◇	315.000			2.549			
				2.572			
				.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

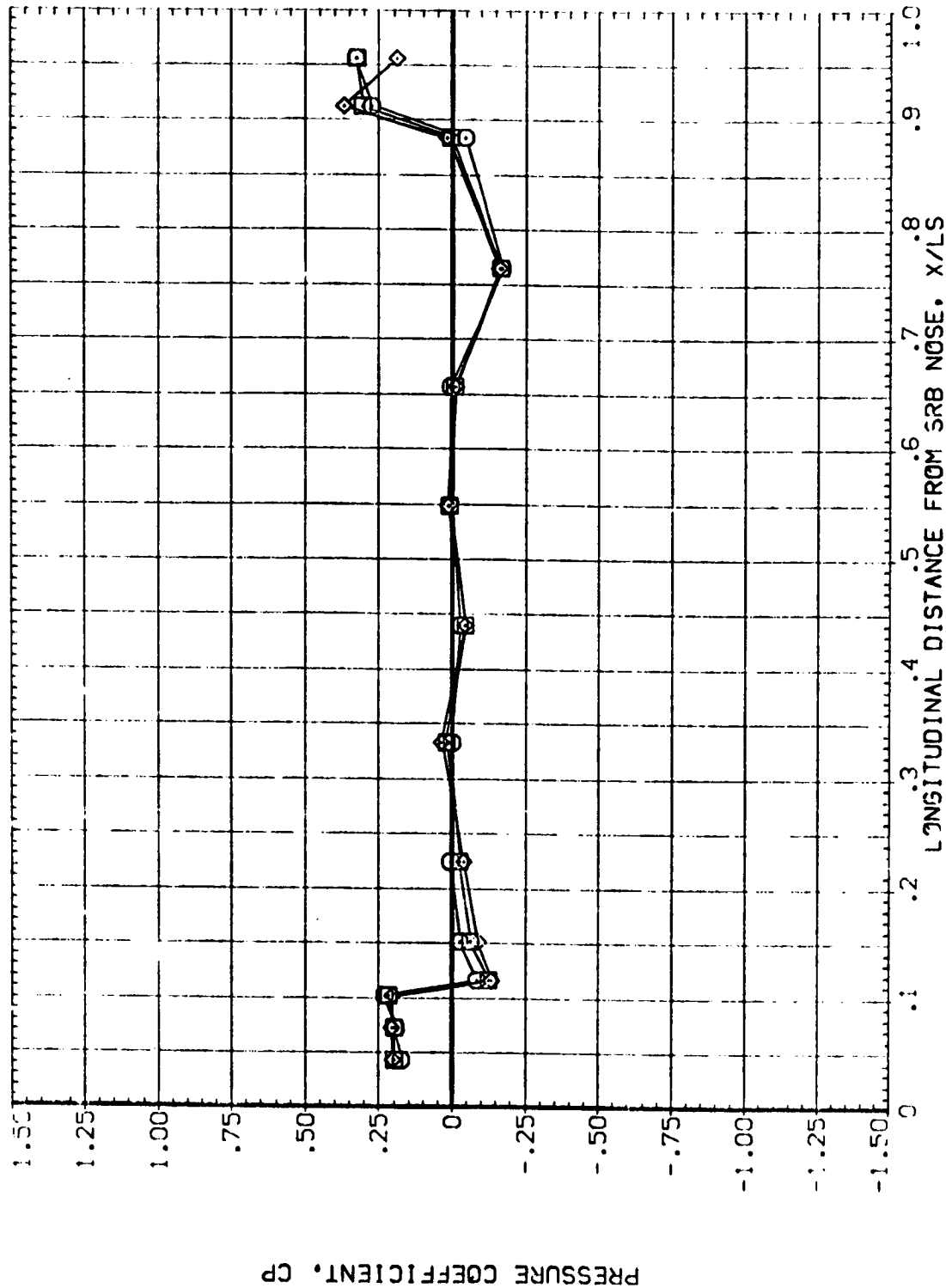
SYMBOL	PHI	BETA	MACH	REFERENCE DATA						PARAMETRIC VALUES					
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTA Z	CONF IG	RUDER	ORBNIC	
○	337.500	-8.000	1.960	6.198	5.313	5.313	2.549	.972	.000	50. IN.	IN.	IN.	.000	.140	.000
□	360.000												.000	.000	.500
													.000	.000	.000
													.000	.000	.000



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

SRM 367(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

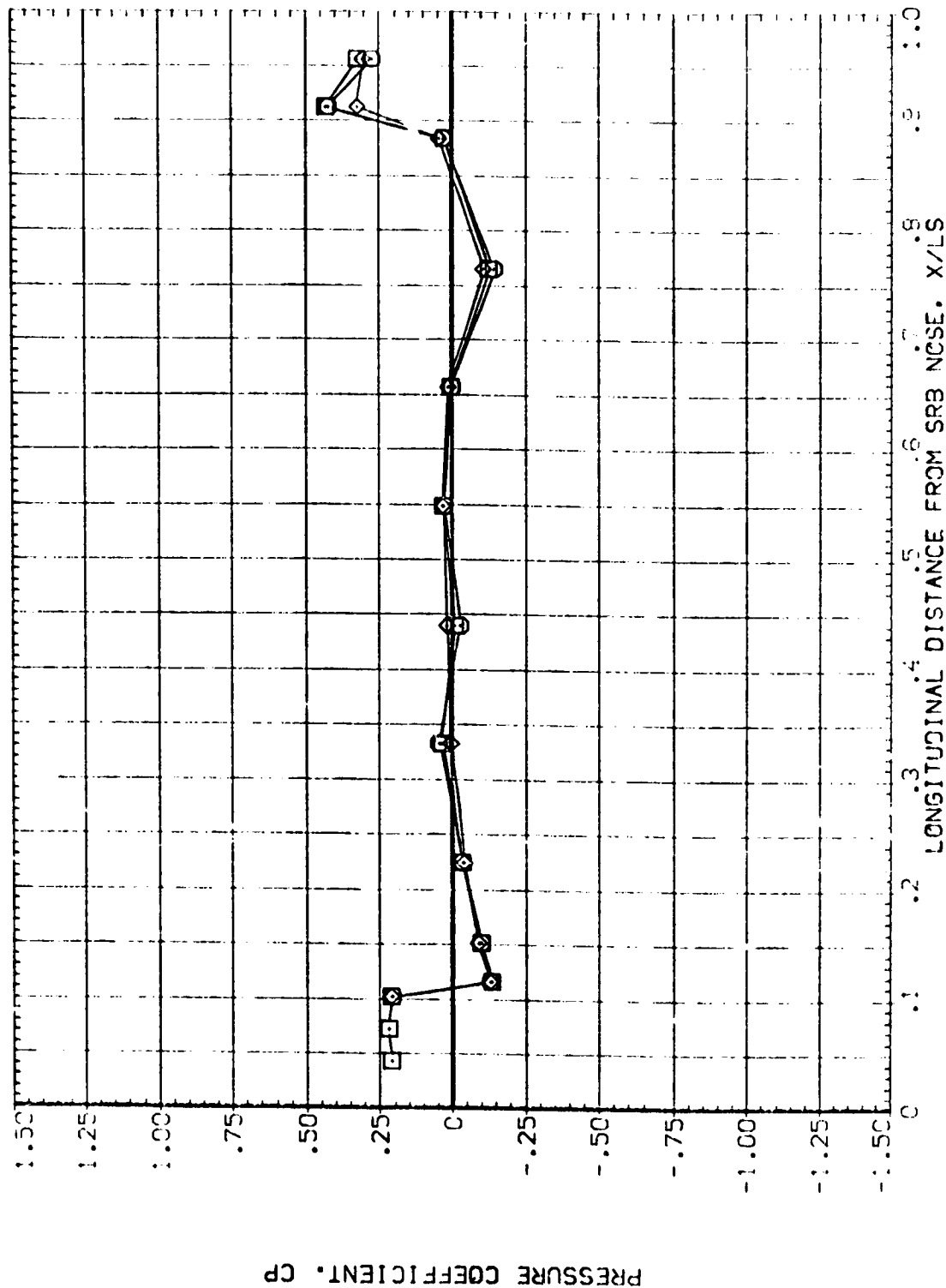
REF. NO.	P.A.	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	50. IN.	ALPHA	CONF IG	90.000
00	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.	DELTA Z	RUDDER	.000
01	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.	X-SRB	CRBINC	.500
02	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
03	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
04	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
05	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
06	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
07	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
08	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
09	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
10	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
11	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
12	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
13	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
14	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
15	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
16	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
17	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
18	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
19	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
20	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
21	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
22	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
23	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
24	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
25	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
26	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
27	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
28	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
29	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
30	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
31	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
32	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
33	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
34	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
35	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
36	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
37	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
38	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
39	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
40	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
41	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
42	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
43	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
44	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
45	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
46	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
47	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
48	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
49	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
50	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
51	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
52	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
53	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
54	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
55	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
56	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
57	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
58	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
59	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
60	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
61	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
62	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
63	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
64	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
65	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
66	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
67	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
68	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
69	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
70	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
71	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
72	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
73	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
74	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
75	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
76	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
77	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
78	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
79	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
80	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
81	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
82	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
83	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
84	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
85	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
86	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
87	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
88	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
89	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
90	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
91	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
92	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
93	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
94	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
95	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
96	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
97	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
98	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
99	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			
100	0	0.000	1.960	6.198	5.313	5.313	2.549	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

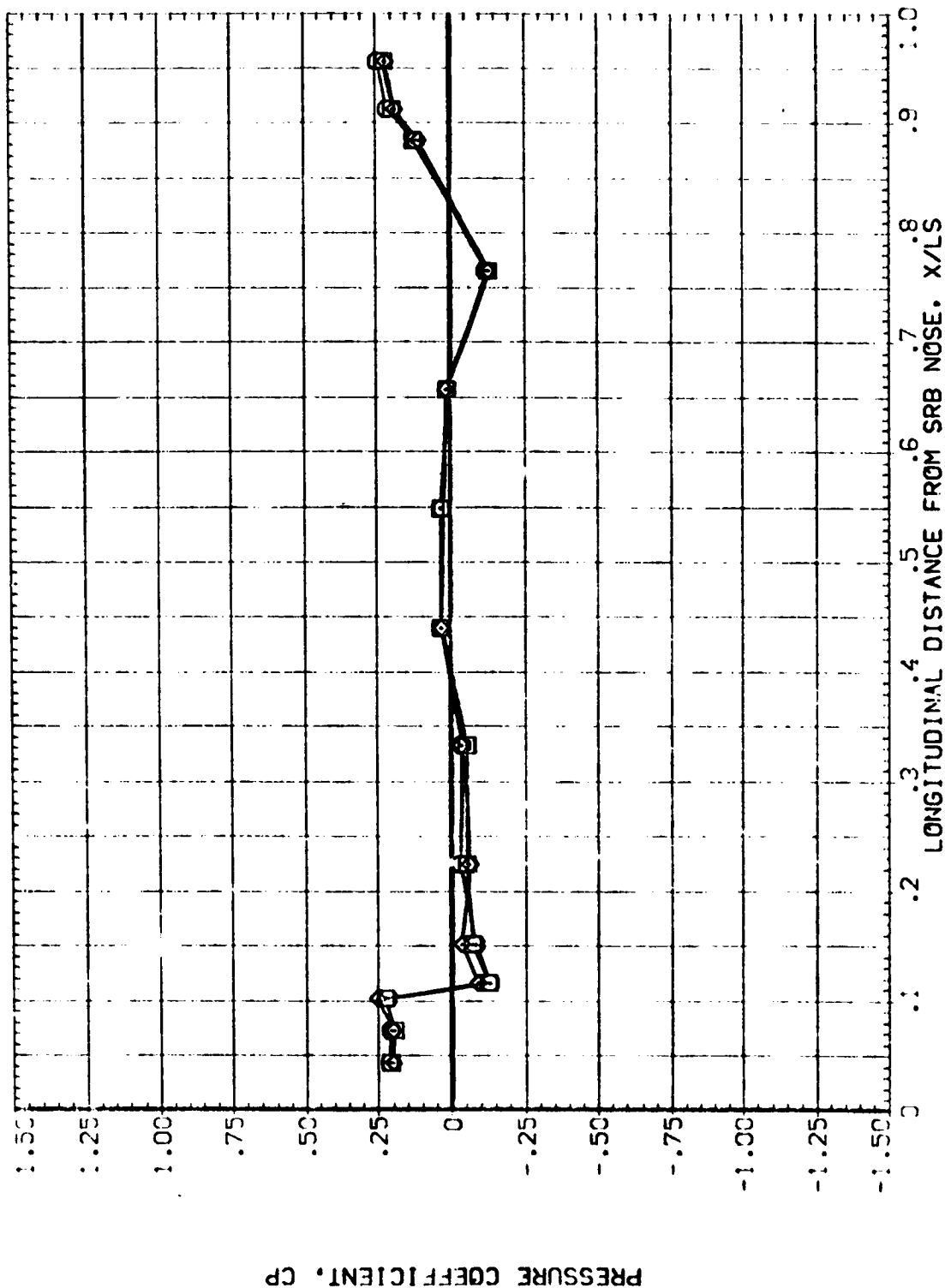
SYMBOL	PM	BETA	MACH	REFERENCE DATA					PARAMETRIC VALUES											
				SREF	LREF	BREF	VMRP	ZMRP	SG, IN.	IN.	IN.	ALPHA	DELTAZ	X-SRB	.000	.140	.000	CONFIG	90.000	.000
□	67.500	.000	1.960	6.198	5.313	5.313	2.549	.972	.000											
◇	93.000																			
◇	112.500																			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

SFC 567(1A32F) T3 S3/2 S3/2 03 SRM BOOSTER (A82502)

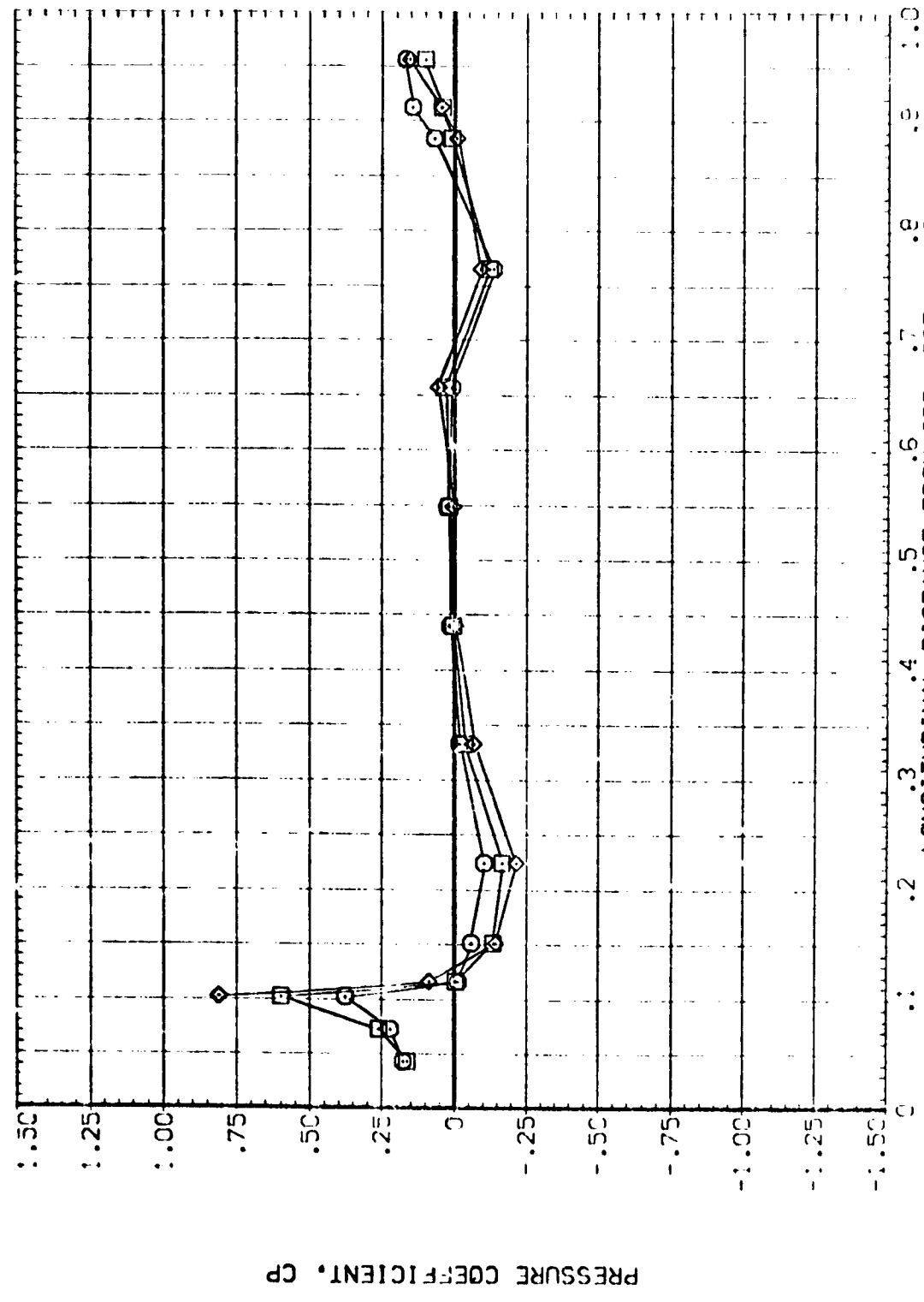
REFERENCE DATA		PARAMETRIC VALUES	
SREF	6.198	ALPHA	.000
LREF	5.313	DELTAZ	.140
BREF	5.313	X-SRB	.000
XMRP	2.549	ORBIT	.500
YMRP	.972		
ZMRP	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A22F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

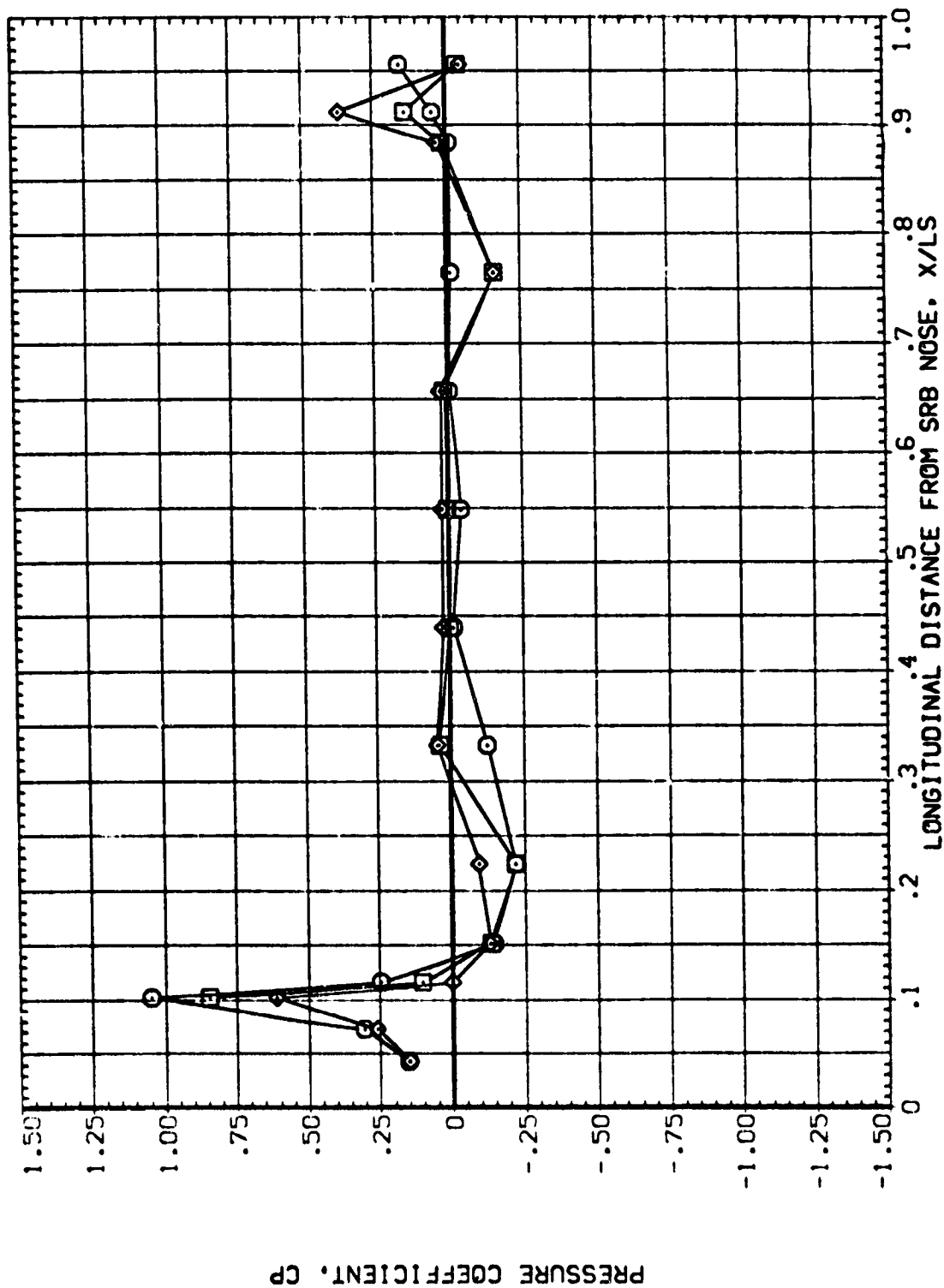
SYMBOL		BETA		MACH		REFERENCE DATA		PARAMETRIC VALUES	
◇	202.500		.000		1.963	SREF	6.198	SO.IN.	.000
○	225.000					LREF	5.313	IN.	.000
○	247.500					BREF	5.313	IN.	.000
						XMRP	2.549	IN.	.000
						YMRP	.972	IN.	.000
						ZMRP	.000	IN.	.000
								DELTA Z	.140
								CONFIG	.000
								PLODER	.000
								CRBING	.500



LONGITUDINAL DISTANCE FROM SRB NOSE, X/L
PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

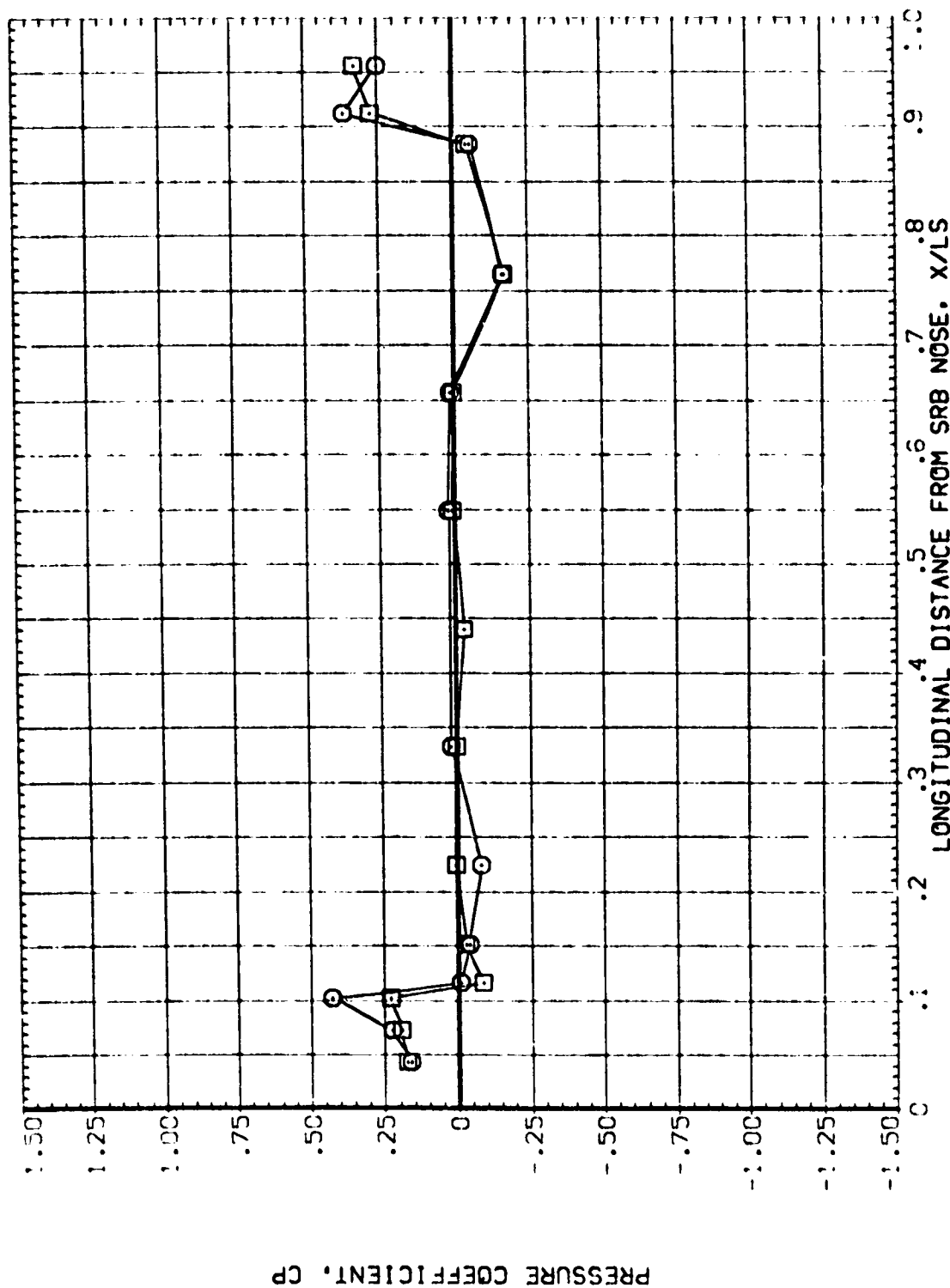
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	ALPHA	CONF 16	90.000
○	270.000	.000	1.960	LREF	5.313	DELTA Z	RUDDER	.000
□	292.500			BREF	5.313	X-SRB	ORBITAL	.500
◇	315.000			YREF	2.549			
				ZREF	.972			
					.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

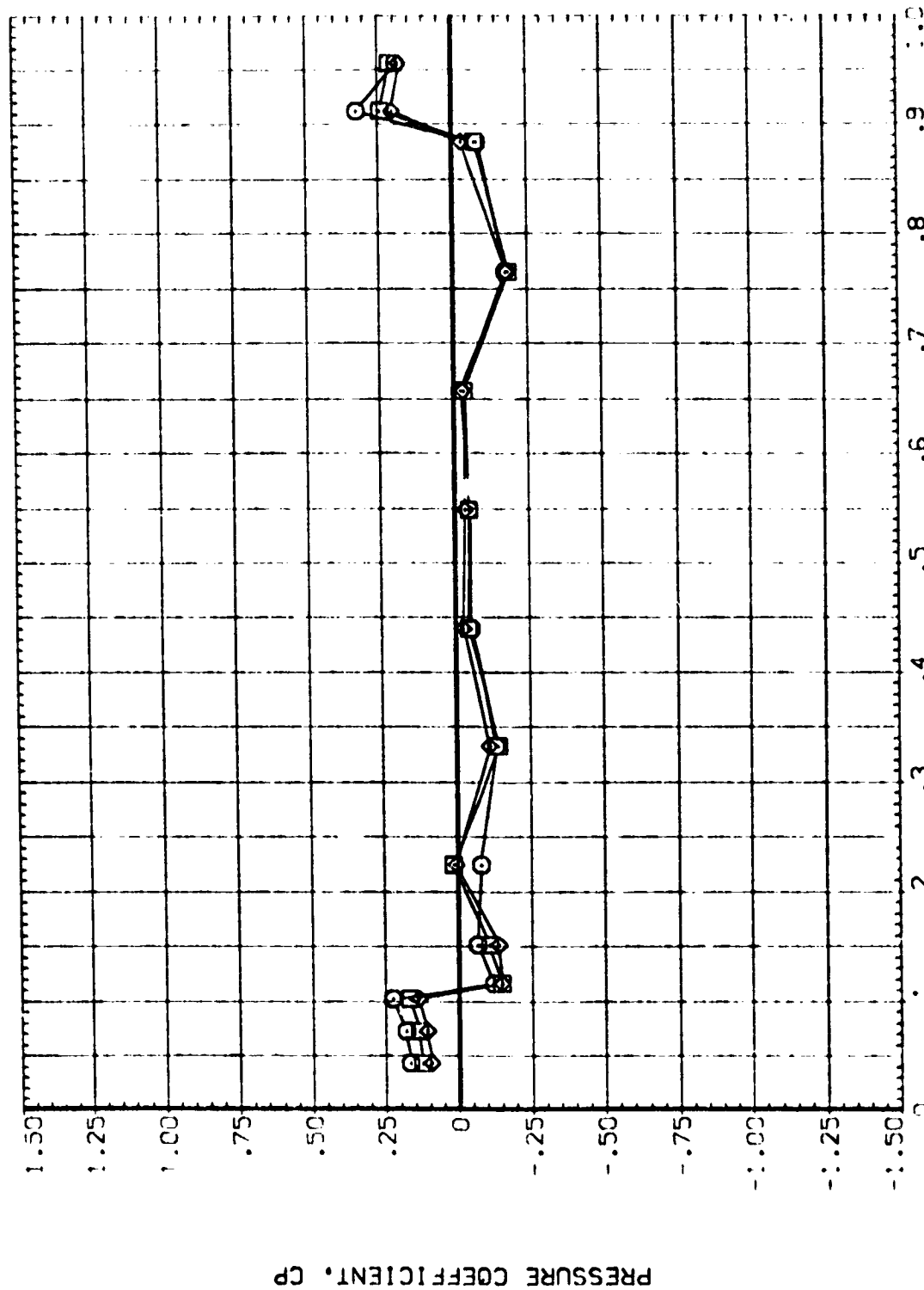
SYMBOL	P-1	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SO. IN.	CONF IG	
□	337.500	.000	1.960	5.313	IN.	.000	90.000
□	360.000			5.313	IN.	.140	R-000R
				2.549	IN.	.000	098 INC
				.972	IN.		
				.000	IN.		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

WFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

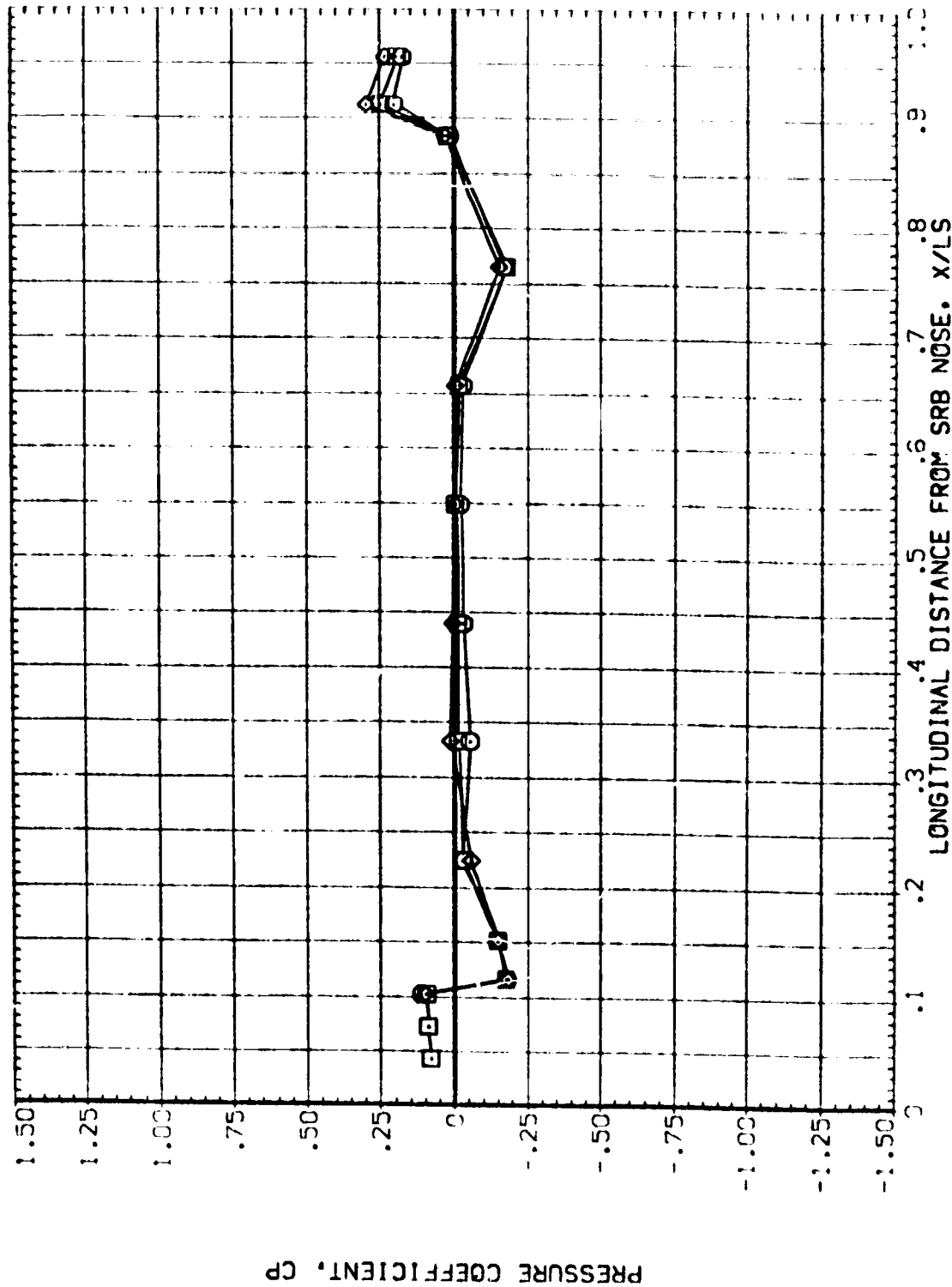
SYMBOL	REFERENCE DATA		PARAMETRIC VALUES	
	SREF	ALPHA	CONF IG	
0.000	6.199	DELTA Z	.000	90.000
22.500	5.313	X-SRB	.140	.000
45.000	5.313		.000	.500
	2.549			
	.572			
	.000			
	.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

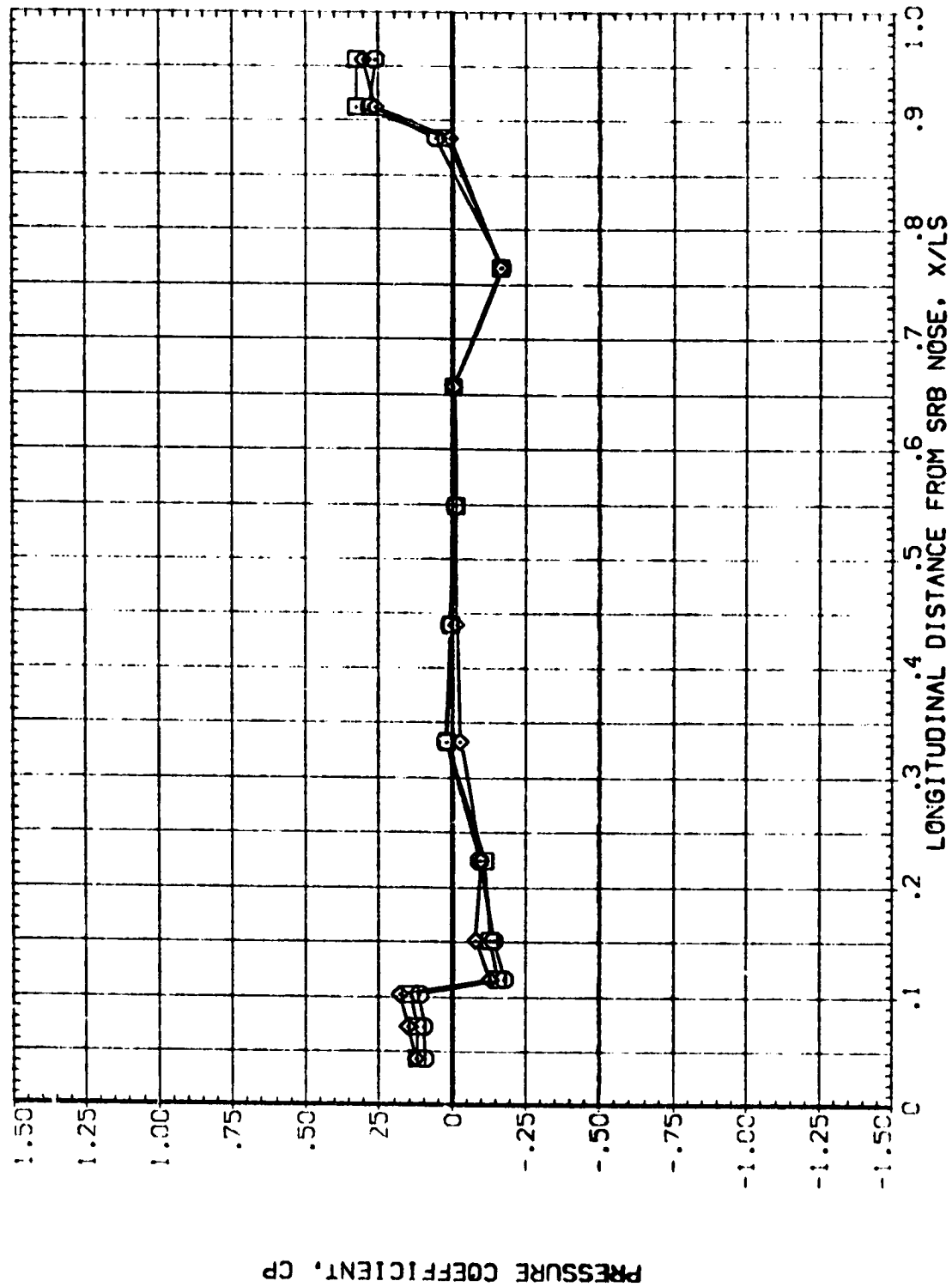
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SG IN.	ALPHA	CONFIS	90.000
□	67.500	8.000	1.960	5.313	5.313	5.313	2.549	IN.	DELTAZ	.140	.000
◇	112.500						.972	IN.	X-SRB	.000	.000
							.000	IN.			.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

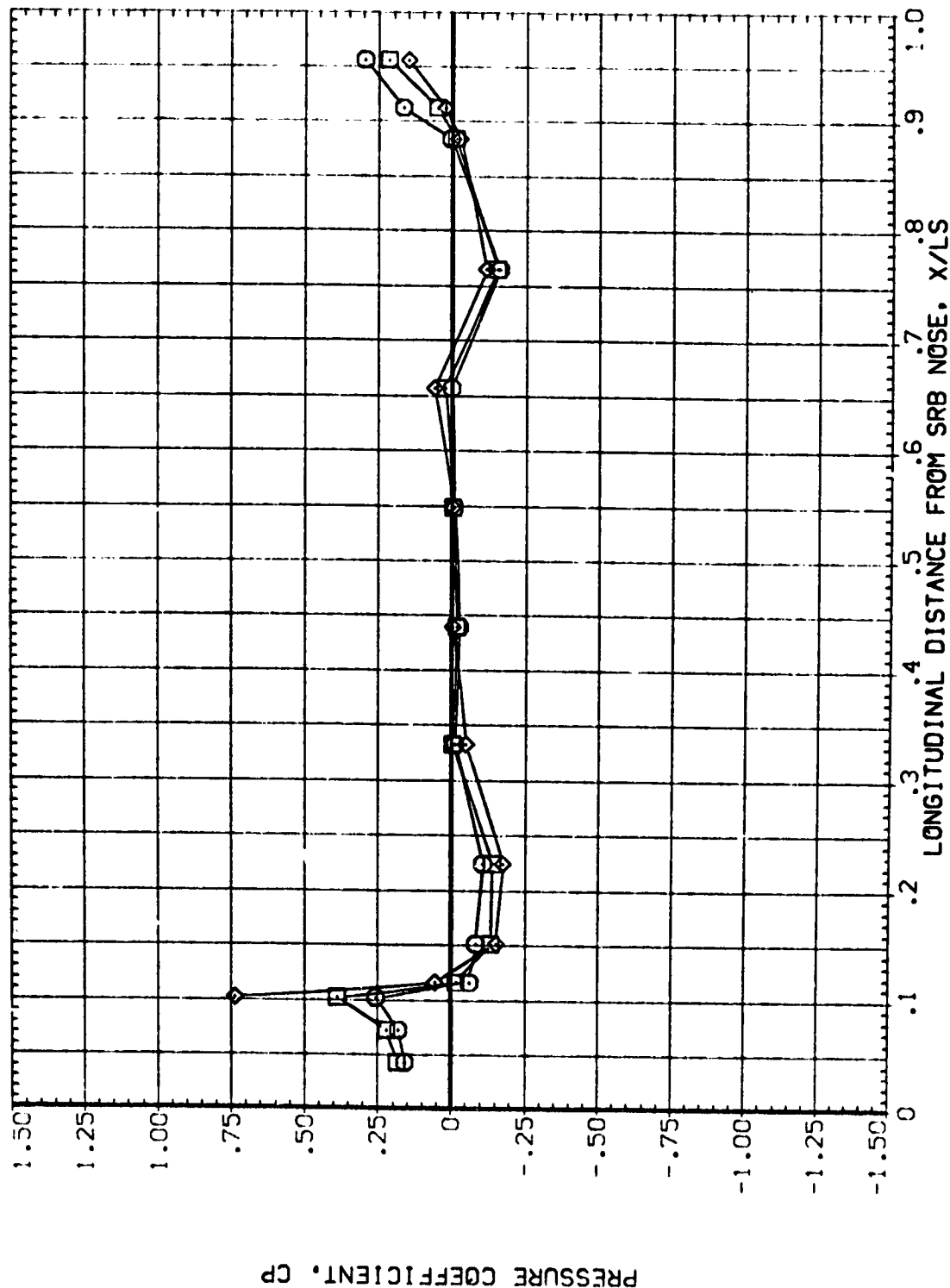
SYMBOL	PHI	BETA	MACH	REFERENCE DATA			PARAMETRIC VALUES		
				SREF	LREF	BREF	ALPHA	CONF IG	
○	135.000	8.000	1.960	5.198	5.313	5.313	DELTA Z	.000	90.000
□	157.500			2.549	2.549	2.549	X-SRB	.140	.000
◇	180.000			.972	.972	.972		.000	.500
				.000	.000	.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

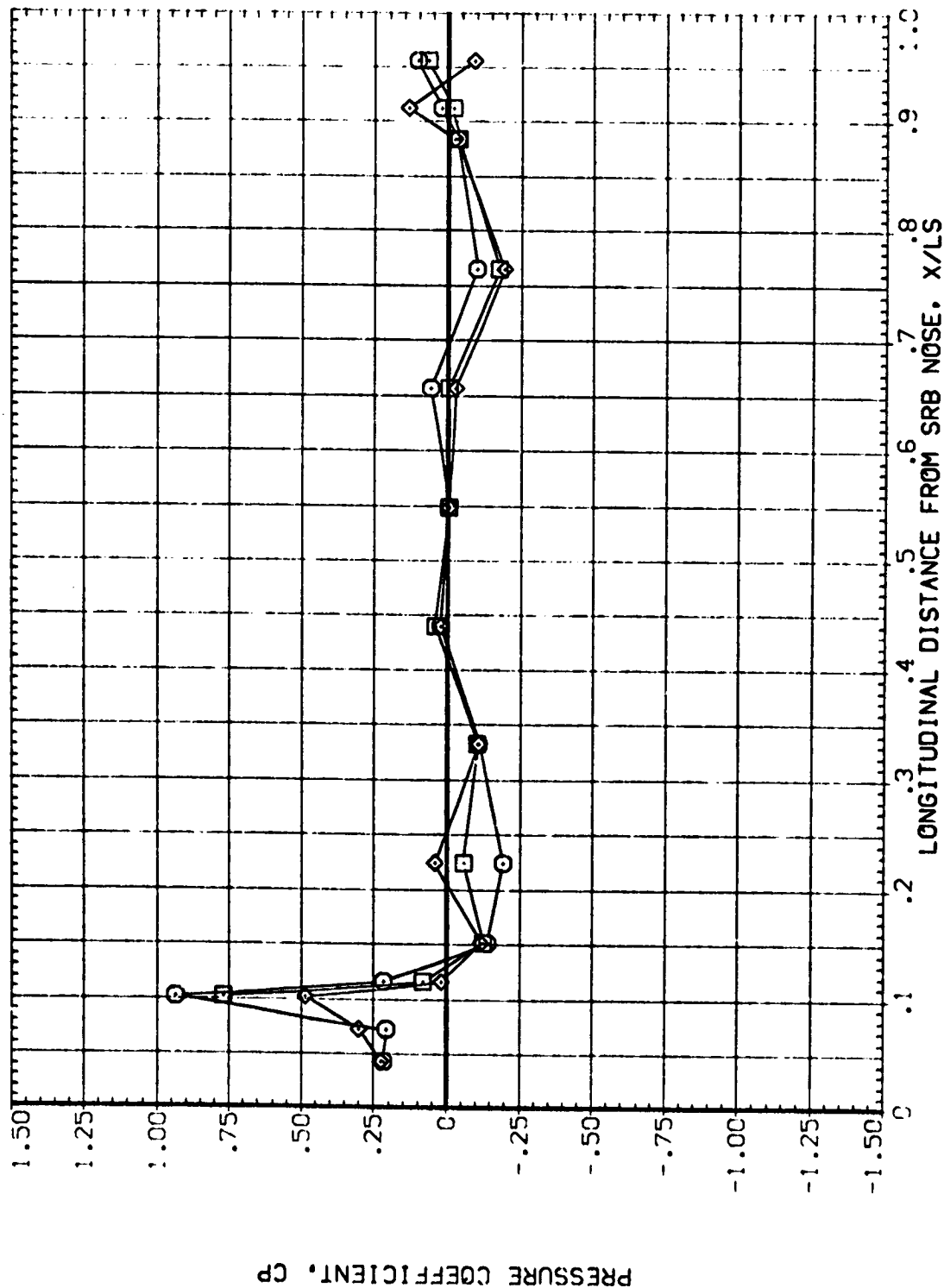
SYMBOL	P-1	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	CONF IG
○	202.500	8.000	1.960	6.198	5.313	5.313	2.549	.972	.000	.000	.000
□	225.000									.140	RUDDER
◇	247.500									.000	CRS INC
											.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

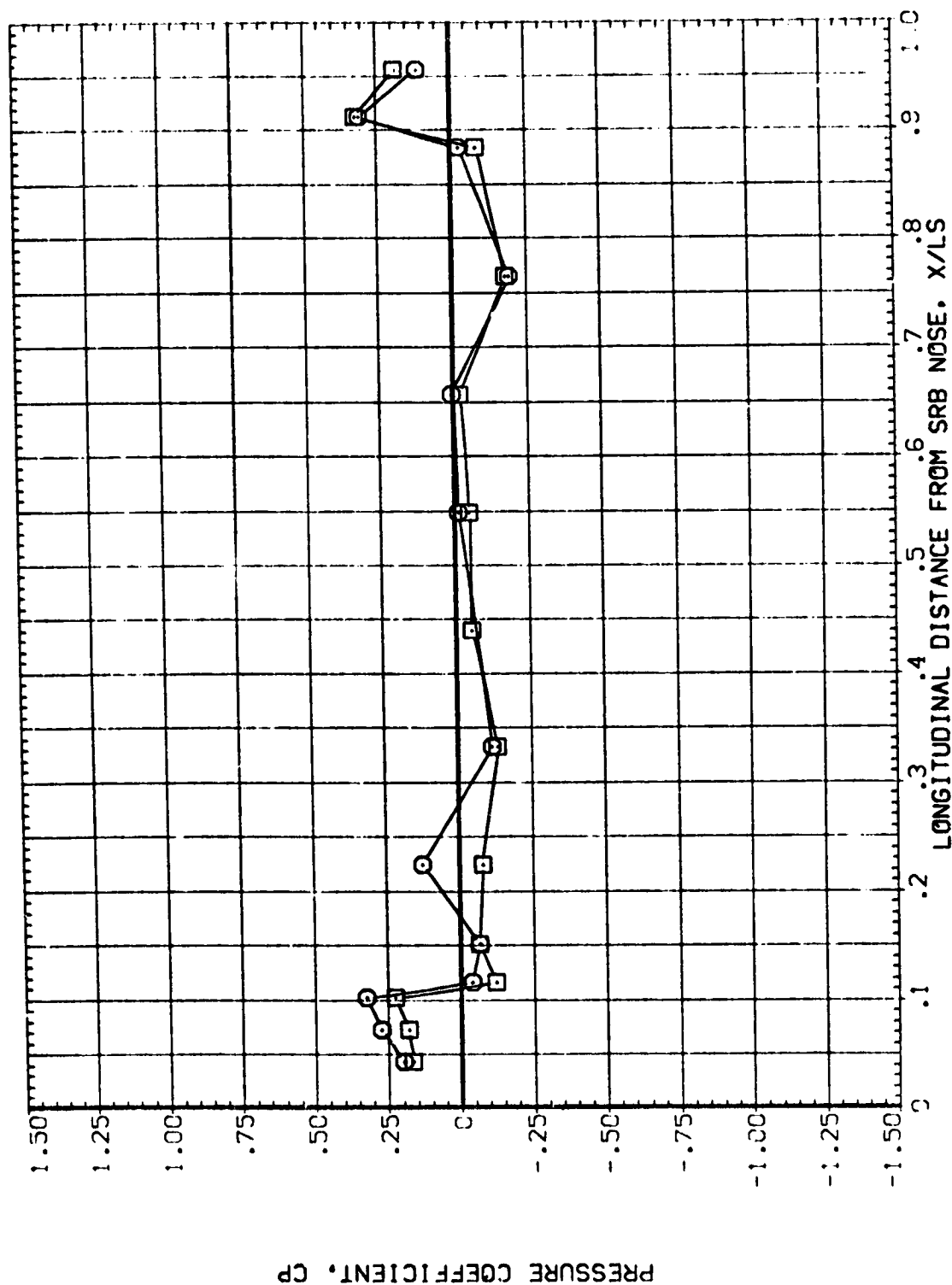
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SO. IN.	ALPHA	CONF IG	90.000
○	270.000	8.000	1.960	LREF	5.313	IN.	DETAZ	.000	.000
□	292.500			BREF	5.313	IN.	X-SRB <td>.140</td> <td>.000</td>	.140	.000
◇	315.000			YMRP	2.549	IN.	RUDER	.000	.500
				ZMRP	.972	IN.	ORBITAL		
					.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

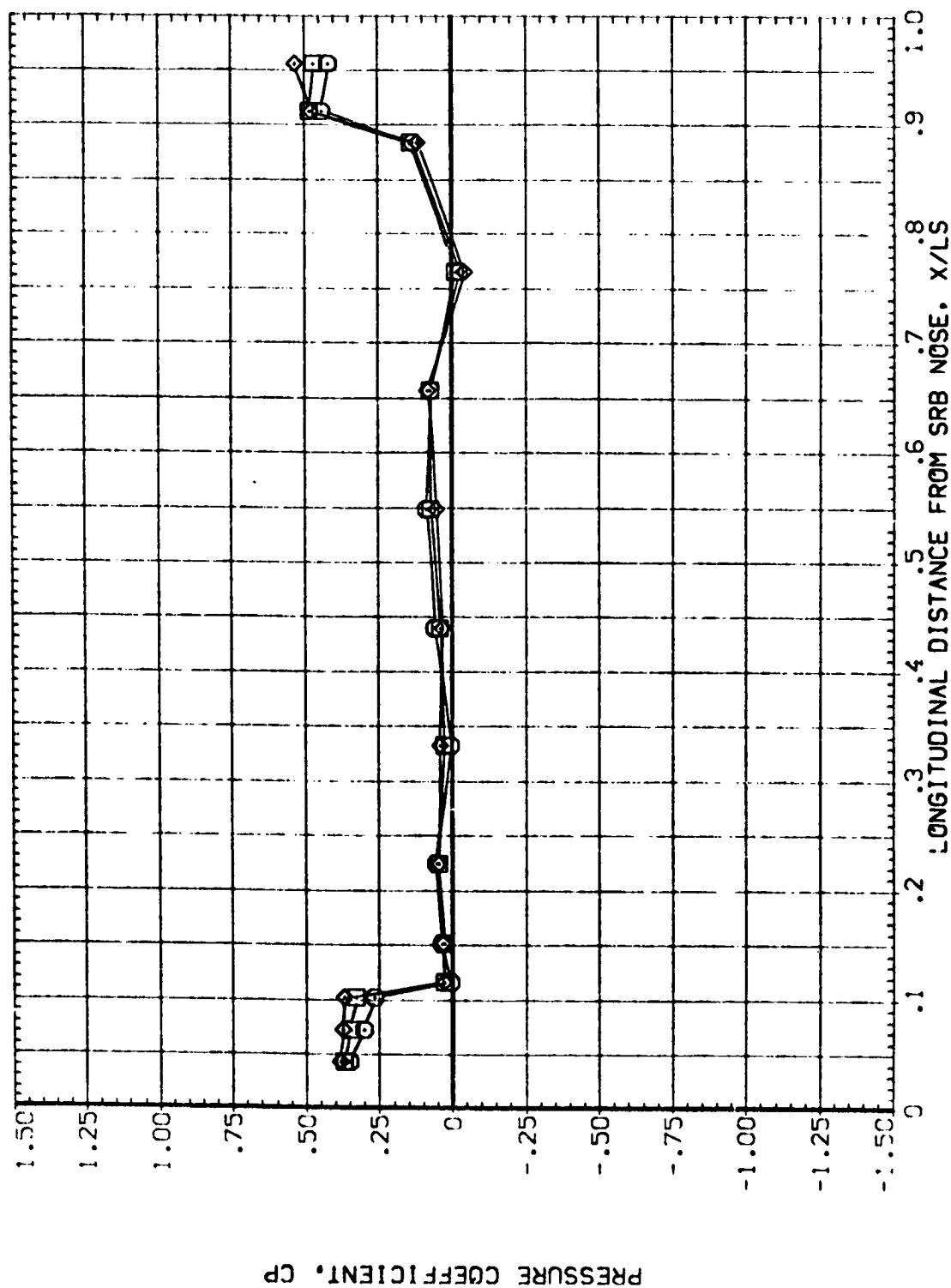
SYMBOL		PHI	BETA	MACH	REFERENCE DATA		PARAMETER	
<input type="radio"/>		337.500	8.000	1.960	SREF	6.198	SO	IN.
<input type="radio"/>		360.000			LREF	5.313	IN.	
<input type="checkbox"/>					BREF	5.313	IN.	
					XRRP	2.543	IN.	
					YRRP	.972	IN.	
					ZRRP	.000	IN.	
							ALPHA	.000
							DELTA Z	.140
							X-SRB	.000
							DRB INC	.500
							CONF IG	90.000



03 03/23 T9 SRM BOOSTER ON LEFT S3/2

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

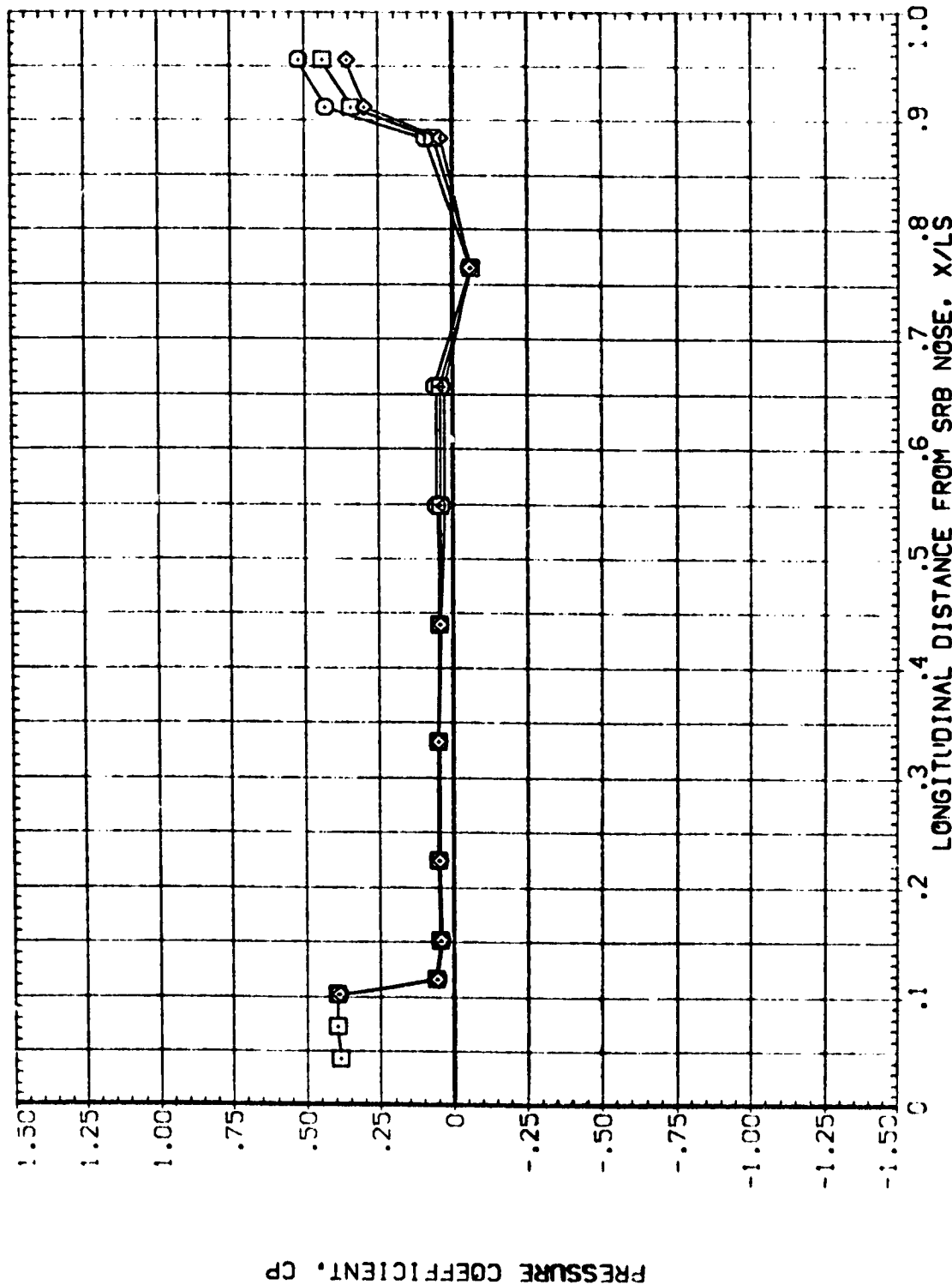
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SO. IN.	ALPHA	CONF IG	90.000
□	.000	-8.000	3.500	LREF	5.313	N.	DELTAZ	.000	.000
□	22.500			BREF	5.313	N.	X-SRB	.000	.500
□	45.000			XMRP	2.549	N.			
□				YMRP	.972	N.			
□				ZMRP	.000	N.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

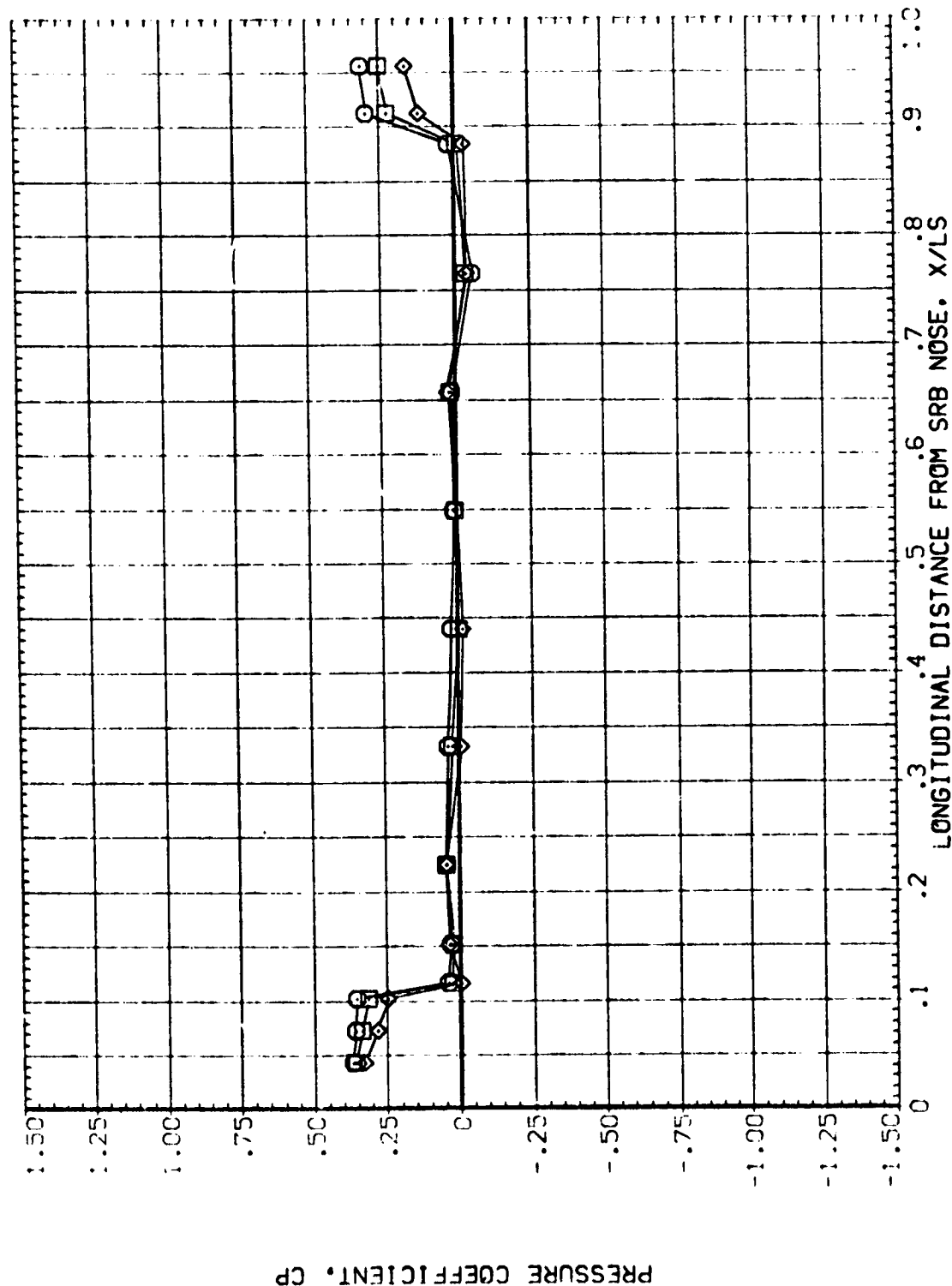
SYMBOL	P-1	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	ALPHA	CONF IG	90.000	
□	67.500	-8.000	3.500	LREF	5.313	DELTA Z	.000	RUDDER	.000
◇	90.000			BREF	5.313	X-SRB	.140	DRB INC	.500
◇	112.500			YMRP	2.549				
				ZMRP	.972				
					.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

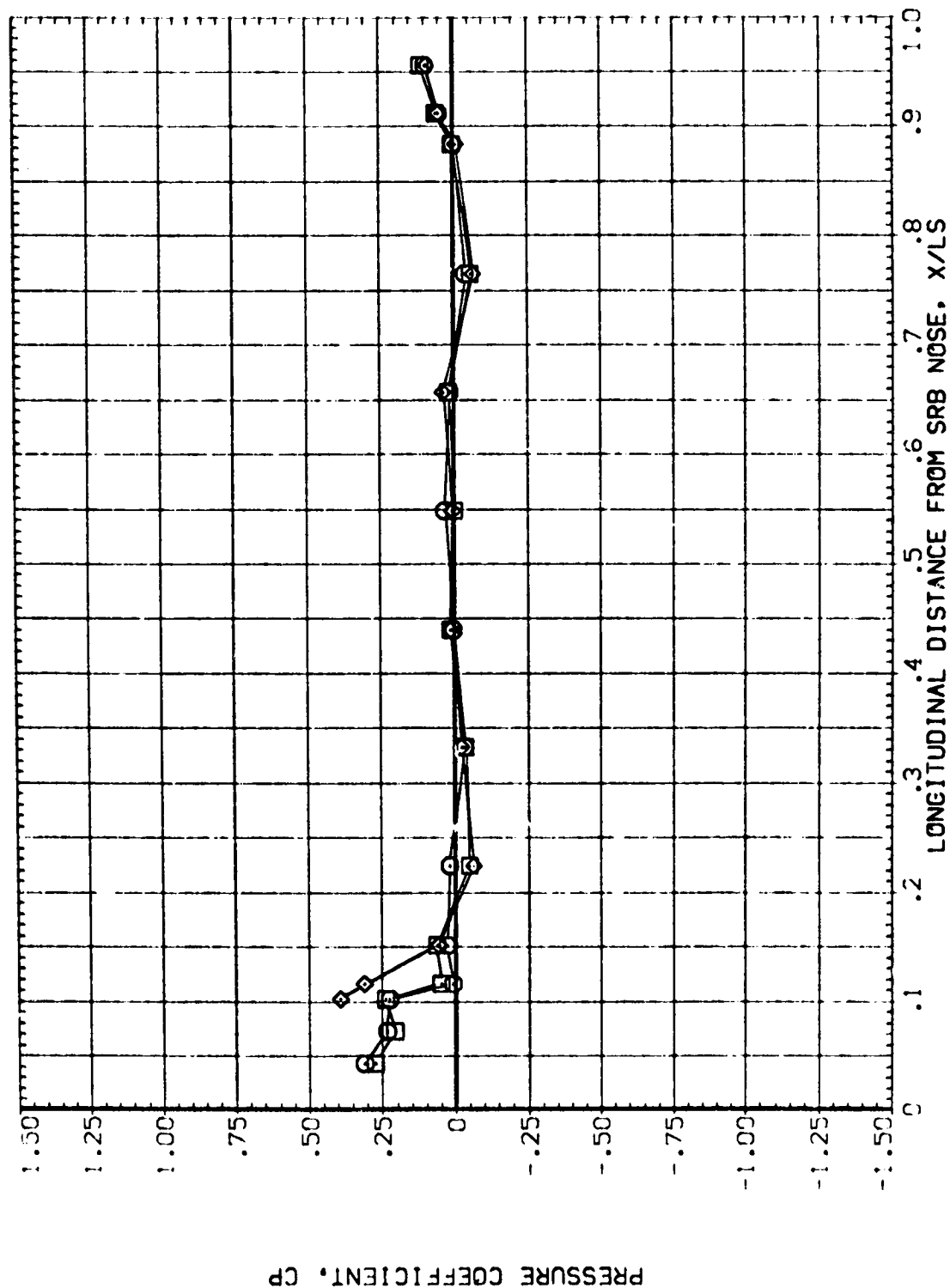
SYMBOL	P-W	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	ALPHA	CONF:G	90.000
□	135.000	-8.000	3.500	LREF	5.313	DELTAZ	.140	.000
□	157.500			BREF	5.313	X-SRB	.000	.500
◇	190.000			X-MRP	2.549			
				Y-MRP	.972			
				Z-MRP	.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

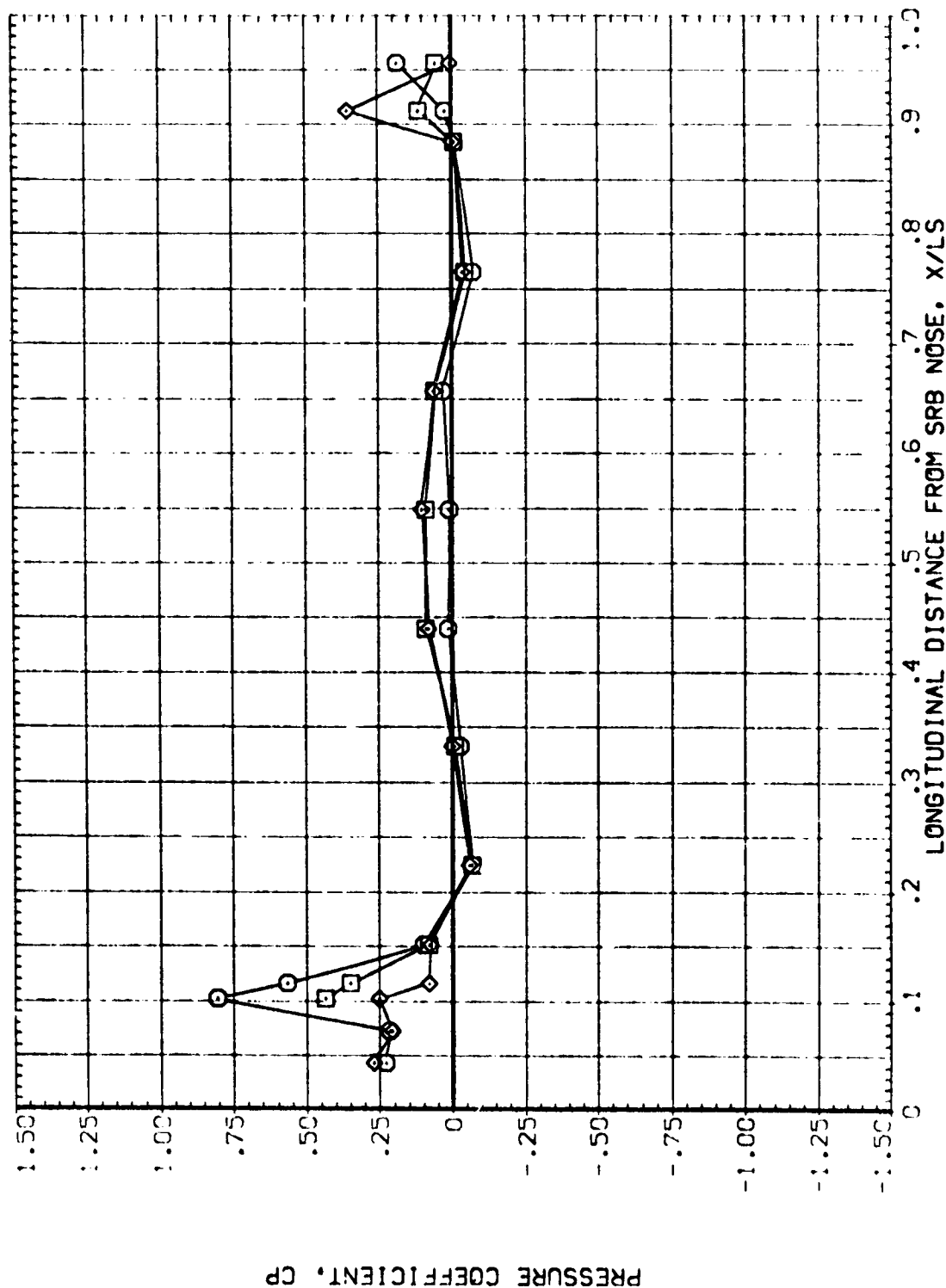
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	DELTA Z	CONF IG	90.000
□	202.500	-8.000	3.500	6.198	5.313	5.313	2.549	.000	.140	RUDDER	.000
◇	247.500			.972			.000			DRBINC	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

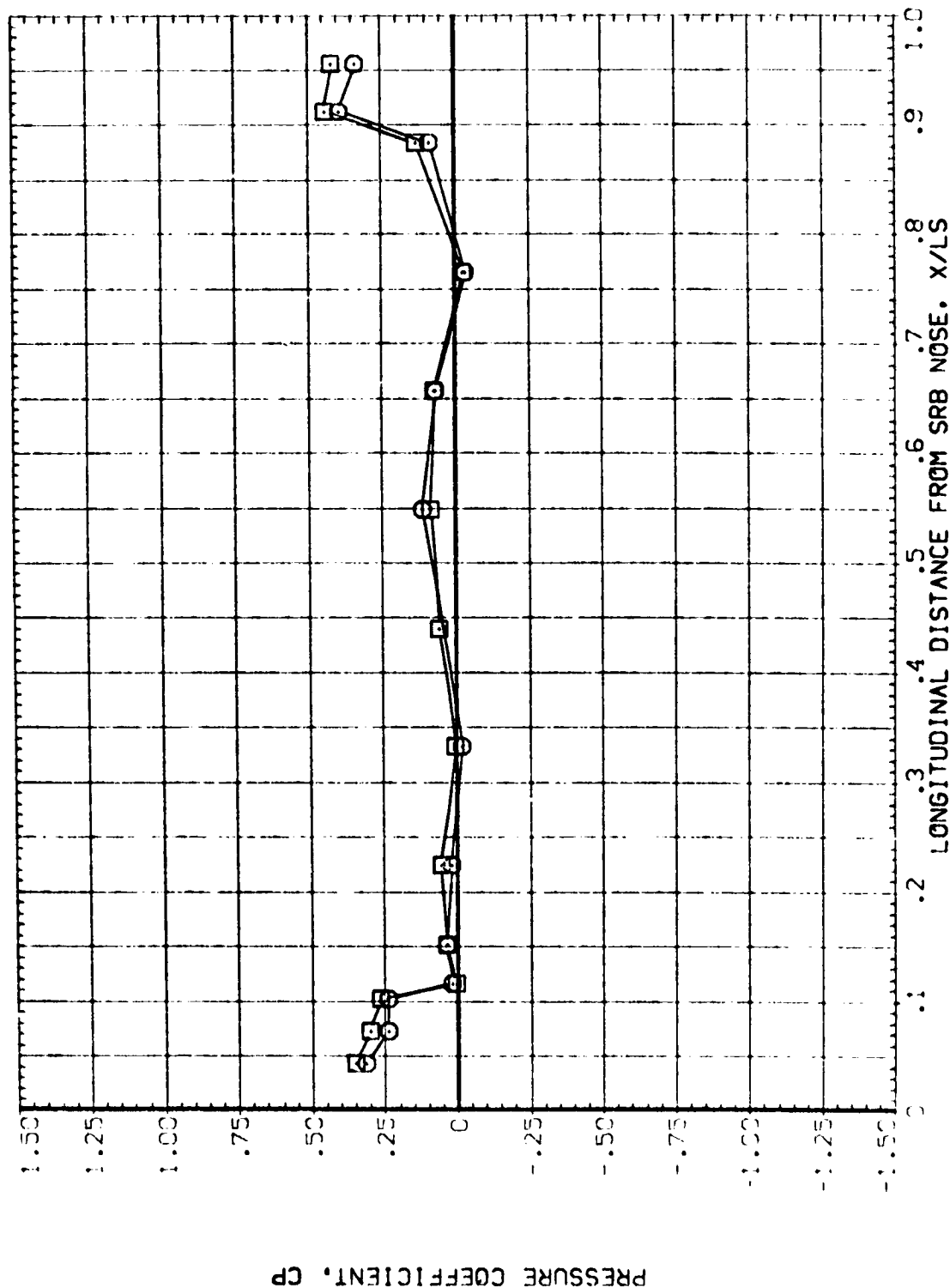
SYMBOL	CHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	6.198	ALPHA	CO*FIG
○	210.000	-8.000	3.500	LREF	5.313	DELTAZ	.000
□	202.500			BREF	5.313	X-SRB	.000
◇	315.000			XMRP	2.549	SRBINC	.500
				YMRP	.972		
				ZMRP	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

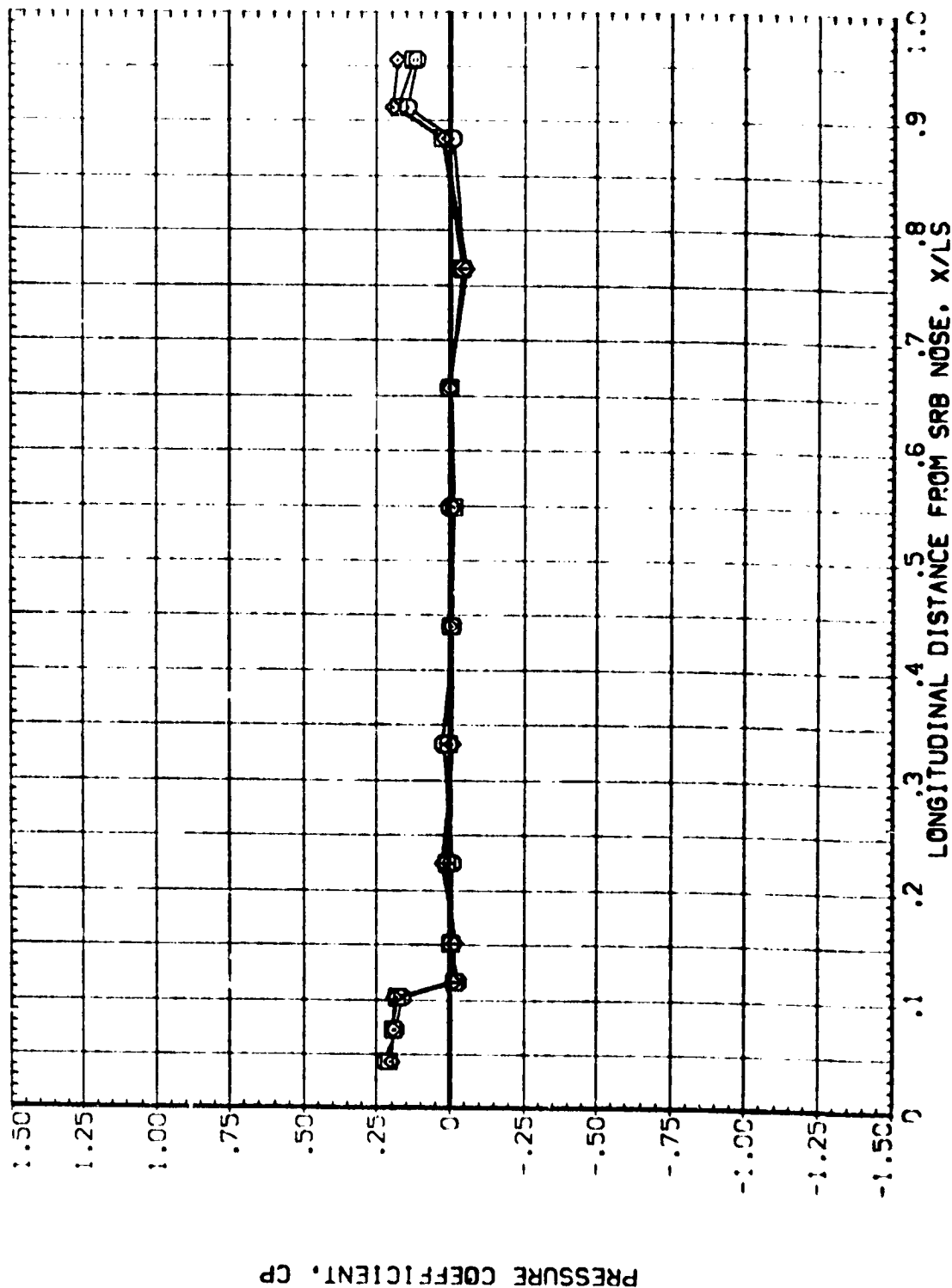
SYMBOL	VAL	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	50 IN.	ALPHA	CONF IG	90.000
	337.500	-8.000	3.500	5.198	5.313	5.313	2.549	IN.	DELTA Z	RUDER	.000
	360.000							IN.	X-SRB	CSB INC	.500
								IN.			
								IN.			
								IN.			
								IN.			
								IN.			
								IN.			
								IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

SYMBOL	PM	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	.000	CONFIG
○	.000	.000	3.500	LREF	5.313	N.	DELTAZ	.140	RUDER
□	22.500			BREF	5.313	N.	X-SRB	.000	ORBITAL
◇	45.000			XMRP	2.549	N.			
				YMRP	.972	N.			
				ZMRP	.000	N.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

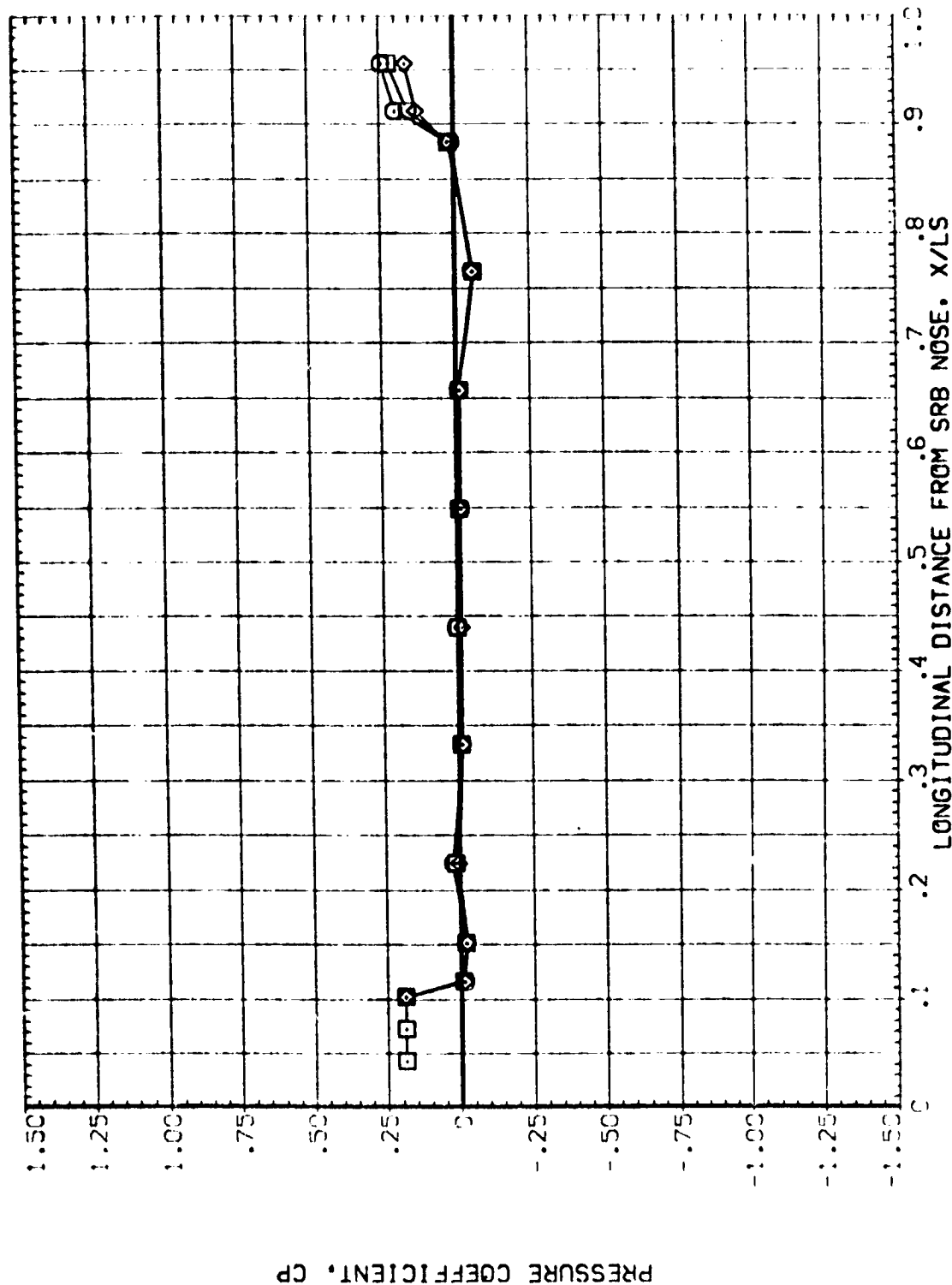
SRM BOOSTER (A82S02)

5000

P41	SETA	MACH
67.500	.000	3.500
60.000		
112.500		

REFERENCE DATA	
SREF	6.198
LREF	5.313
GRF	5.313
XMAP	2.549
YMAP	.972
ZMAP	.000

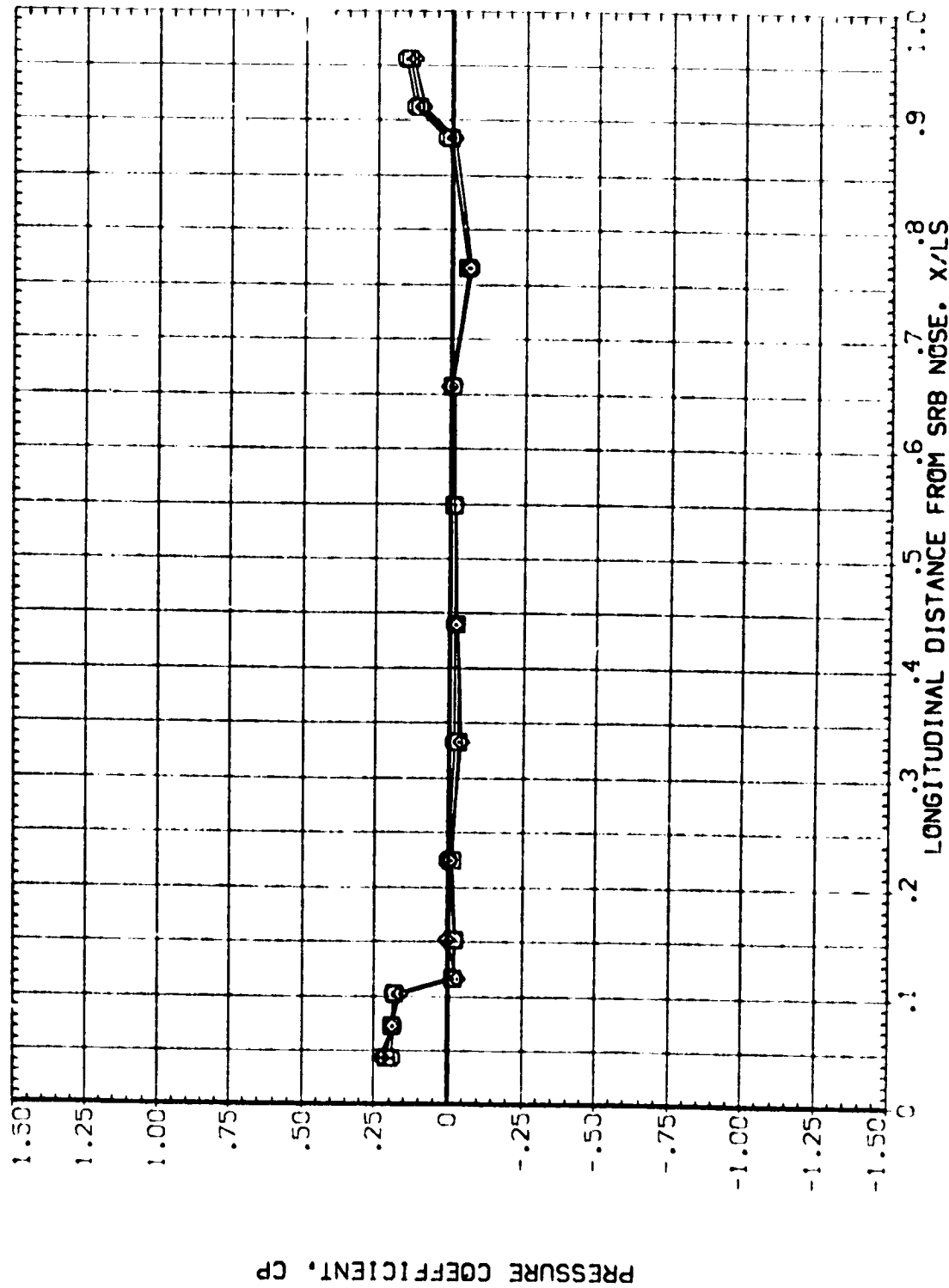
SQ IN.
IN
NNNNN
X-SRB
DELTA Z
ALPHA
COS ² G
PARAMETRIC VALUES
.000
.140
.000
.9681NC
.00C
.00C
.50C



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

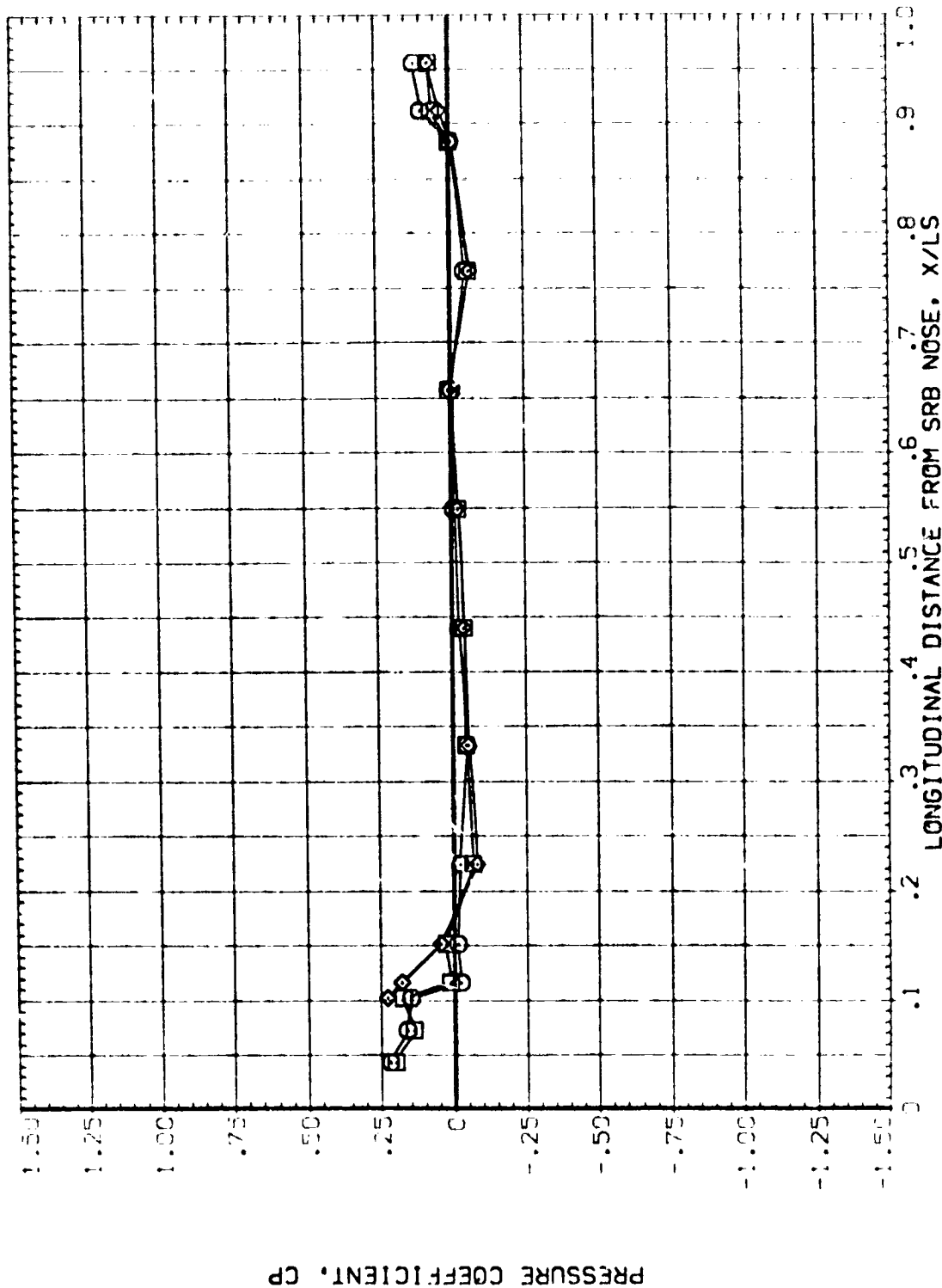
SYMBOL	CHI	BETA	MACH	REFERENCE DATA			PARAMETRIC VALUES		
				SREF	LREF	BREF	ALPHA	CONFIS	
○	135.003	.000	3.500	6.198	5.313	50. IN.	DELTA Z	.000	90.000
□	157.500			5.313	2.549	IN.	X-SRB	.140	.000
◇	180.000			.972	.000	IN.		.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

VSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82SC2)

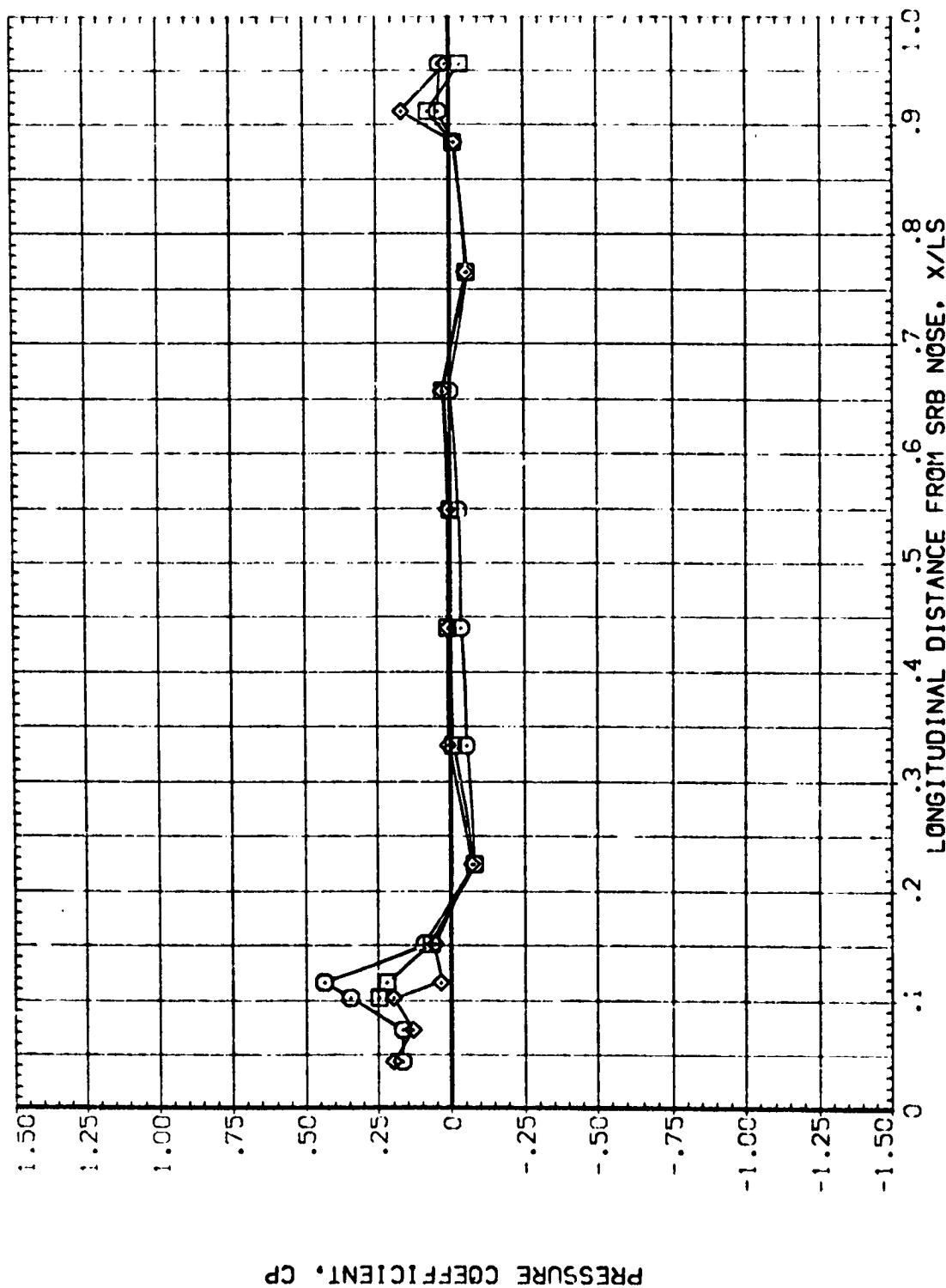
SYMBOL	P-1	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	ALPHA	CONFIS		
◇	202.500	.000	3.500	LREF	5.313	DELTAZ	RJDER	.000	.000
◇	225.000			BREF	5.313	X-SRB	999INC	.000	.500
◇	247.500			YREF	2.549				
				ZREF	.972				
					.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

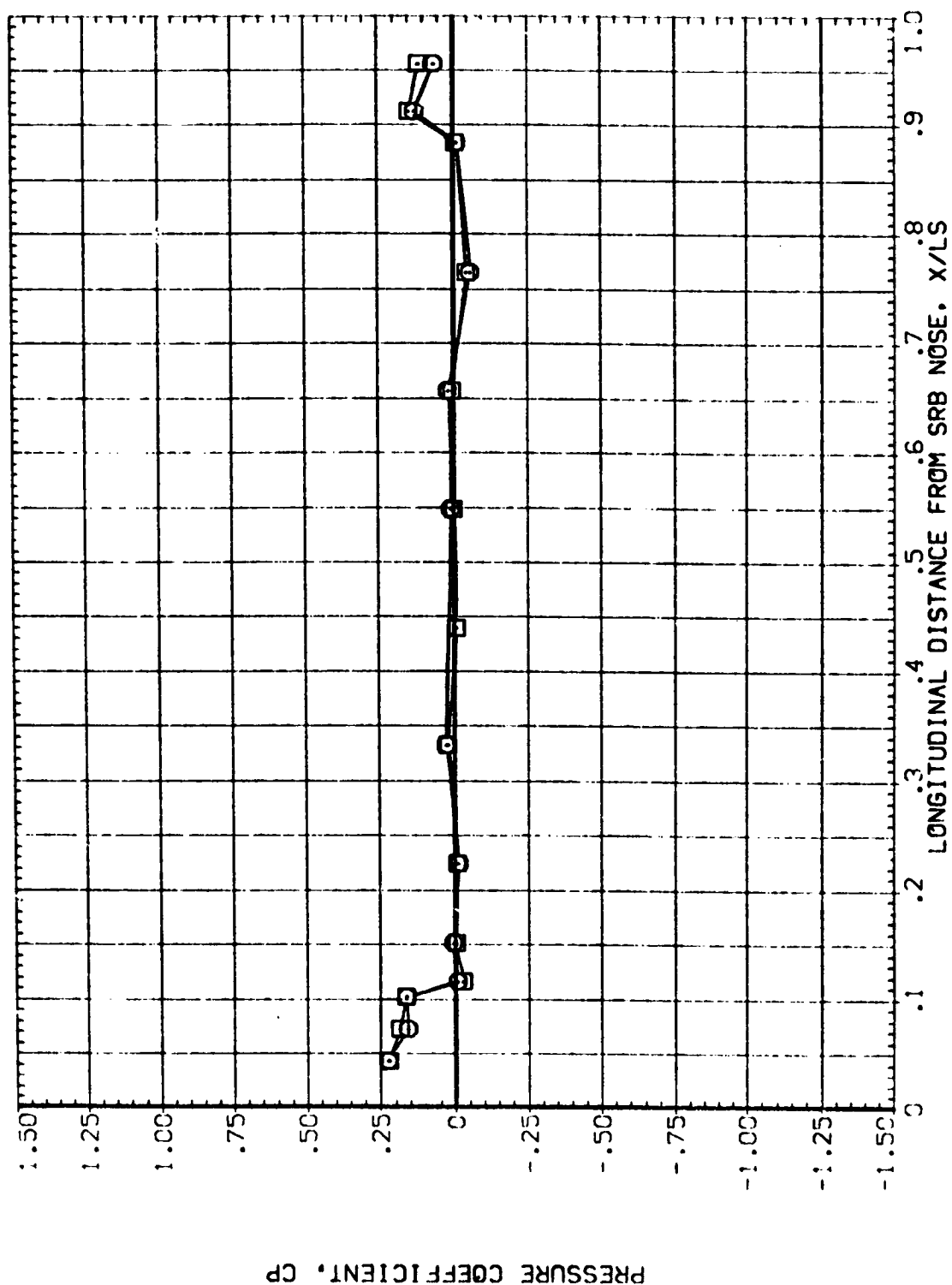
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

SYMBOL	Q (PSI)	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SO IN.	ALPHA	CONF IG	90.000
○	270.000	.000	3.500	LREF	5.313	IN.	DELTA Z	RUDDER	.000
□	292.500			BREF	5.313	IN.	X-SRB	ORBITAL	.500
◇	315.000			VMRP	2.549	IN.			
				VMRP	.972	IN.			
				VMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 J3

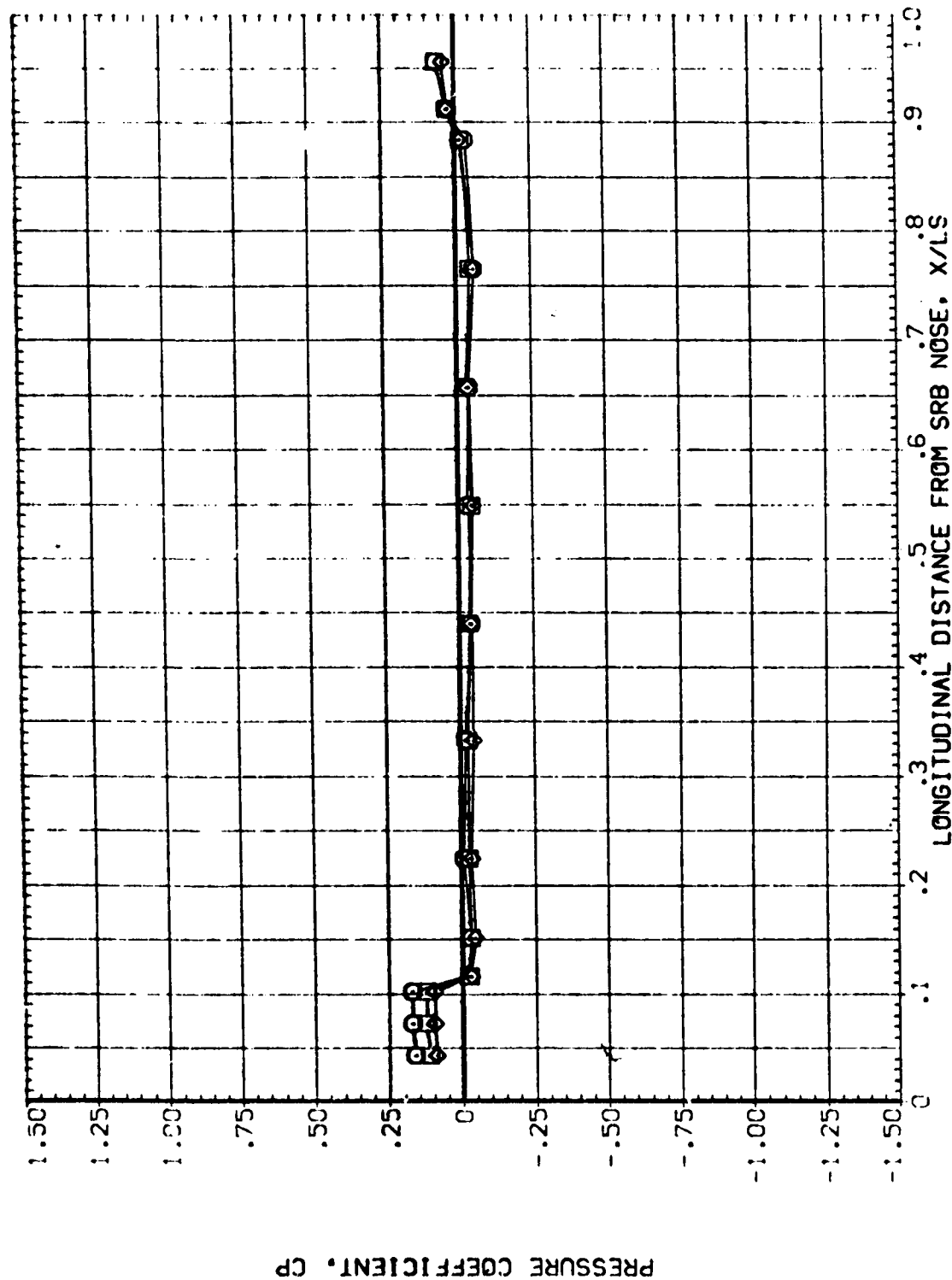
SYMBOL		PHI	BETA	MACH	REFERENCE DATA		SQ. IN.		ALPHA		PARAMETRIC VALUES	
		337.500	.000	3.500	SREF	6.198					.000	CONF IG
		360.000			LREF	5.313	IN			DELTA Z	.140	RUDDER
					BREF	5.313	N			X-SRB	.000	DRB INC
					XMRP	2.548	N					
					VMRP	.972	N					
					ZMRP	.000	N					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

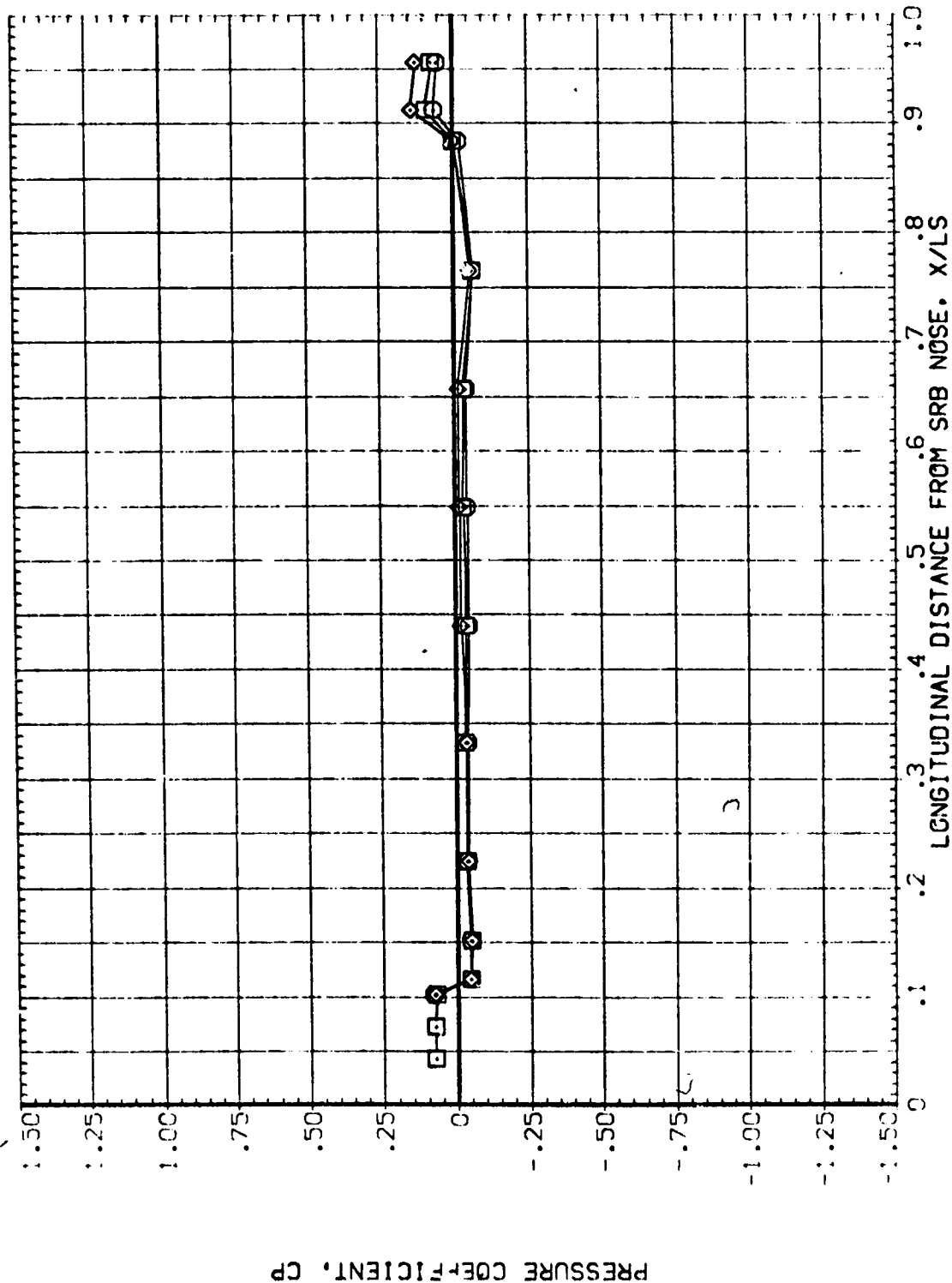
SYMBOL	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
			SREF	50 IN.	CONFIG	90.000
□	.000	3.500	LREF	5.313	.000	.000
◇	22.500		BREF	5.313	.140	.000
	45.000		XMRP	2.549	.000	.500
			YMRP	.972		
			ZMRP	.000		
				N:	ORBIT	
				N:		
				N:		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

NSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

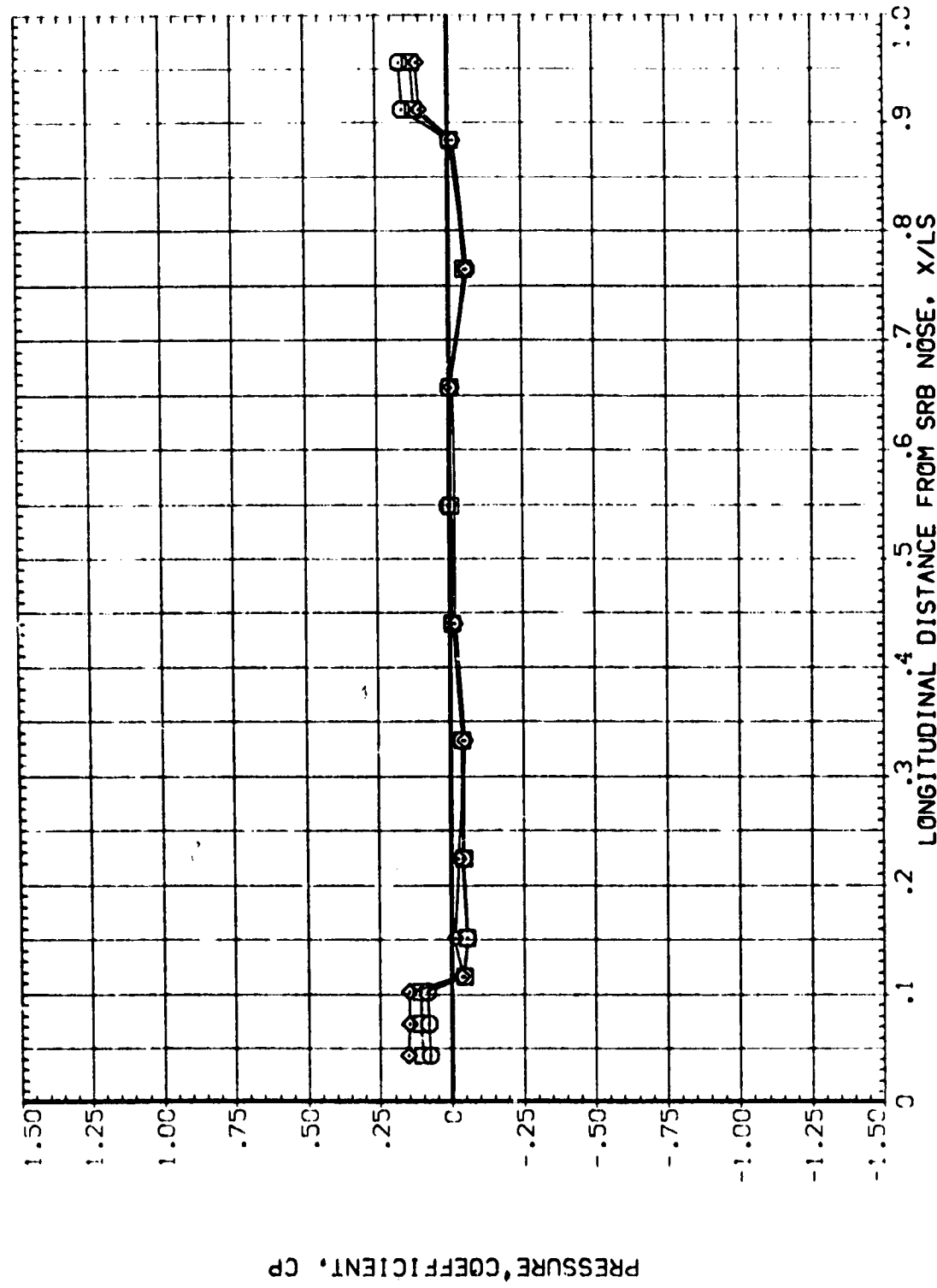
SYMOL	PHI		BETA	MAC	REFERENCE DATA				PARAMETRIC VALUES				
	67.500	8.000	3.500	SREF	6.198	SG. IN.	ALPHA	.000	CONF IG	90.000	.000	CONF IG	.000
	90.000			LREF	5.313	IN.	DELTA Z	.140	RUDDER	.000	.000	RUDDER	.000
	112.500			BREF	2.549	IN.	X-SRB	.000	ORB INC	.500	.500	ORB INC	.500
				XMRP	.972	IN.							
				YMRP	.000	IN.							
				ZMRP		IN.							



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

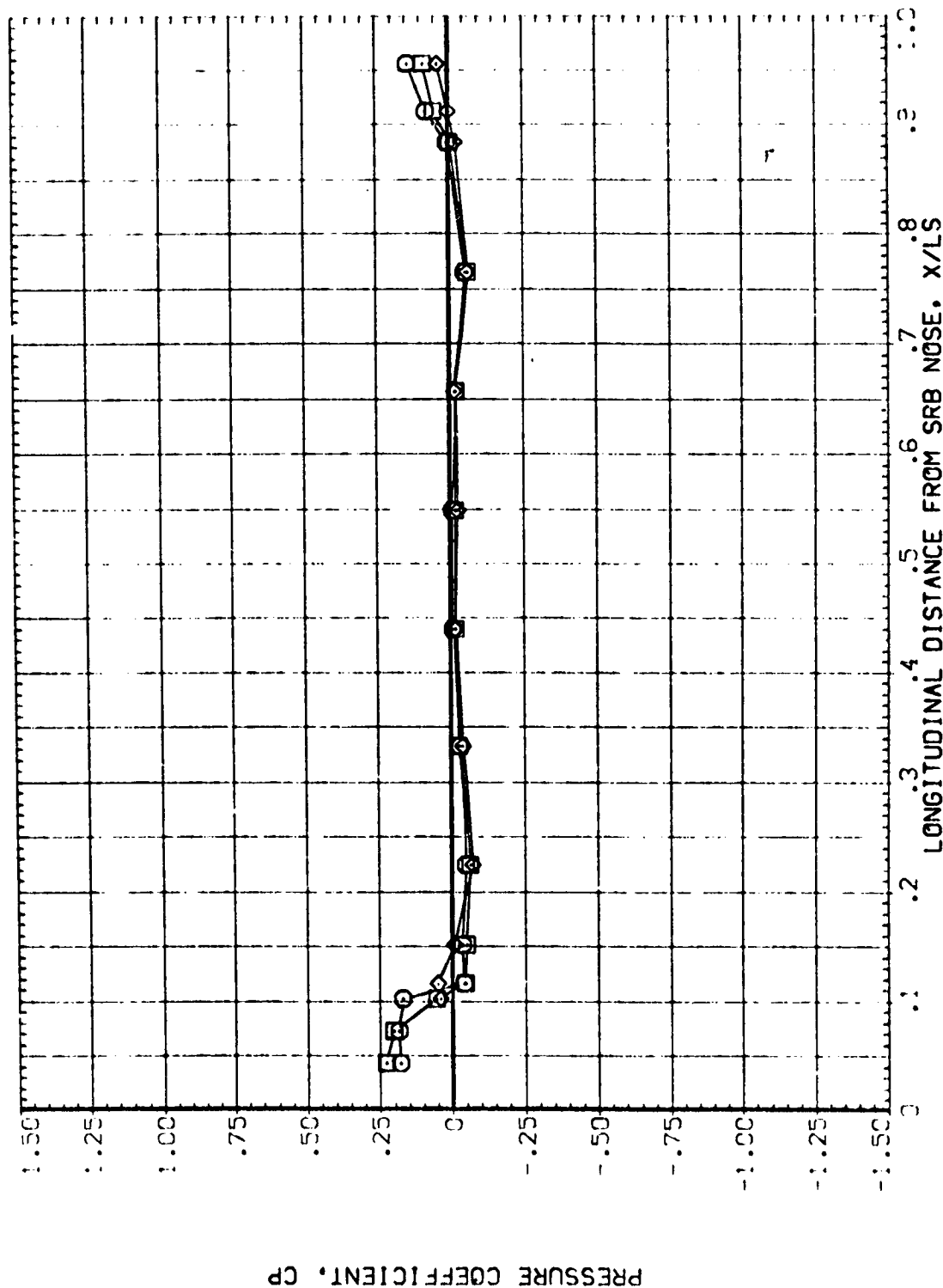
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SO.IN.	ALPHA	CONF IG	90.000
□	135.000	8.000	3.500	LREF	5.313	IN.	DELTA Z	.000	.000
□	157.500			BREF	5.313	IN.	X-SRB	.140	.000
◇	160.000			XMRP	2.549	IN.		.000	.500
				YMRP	.972	IN.			
				ZMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

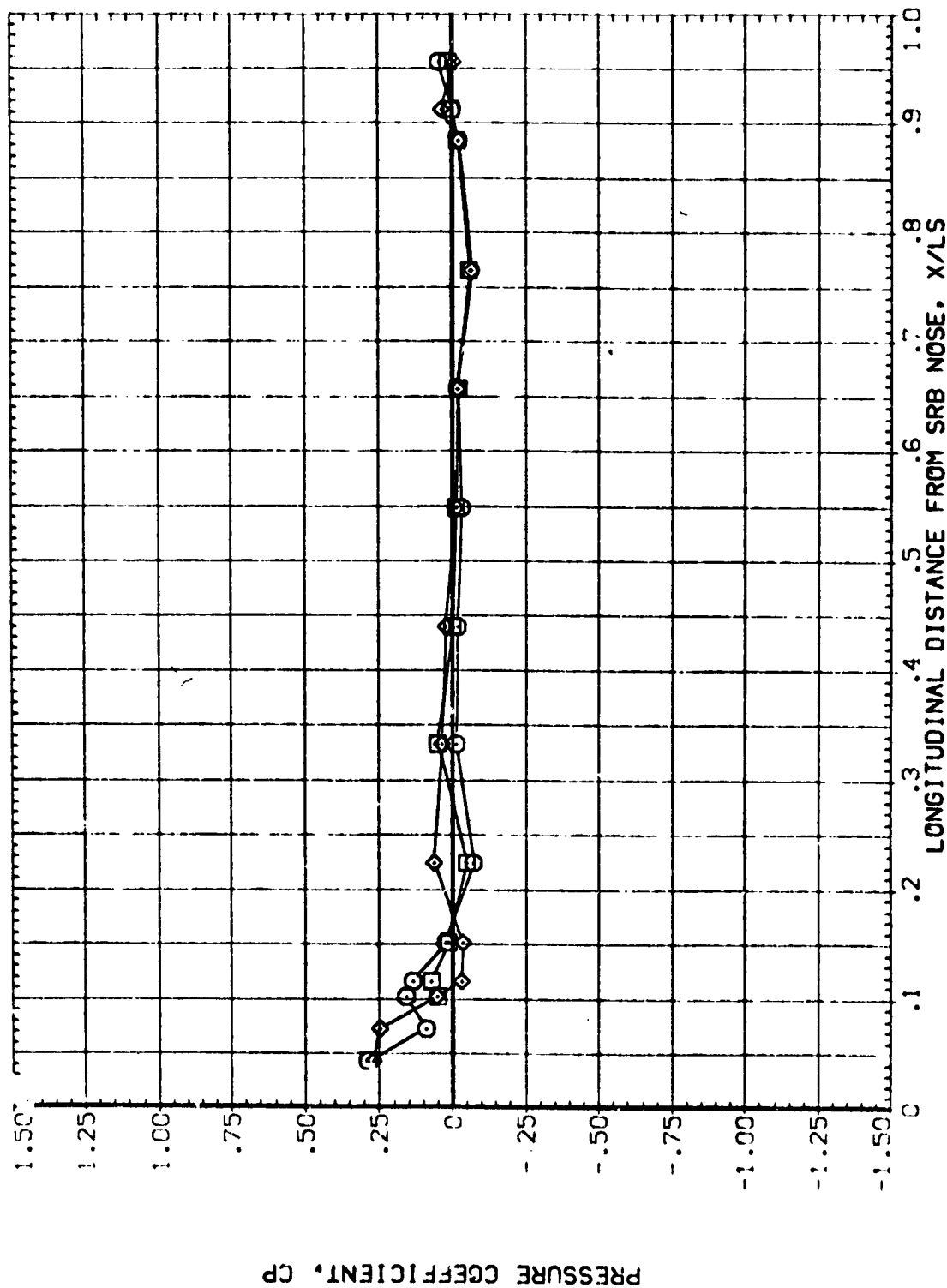
SYMBOL	Q-Q	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SG. IN.	ALPHA	CONF'S		
◇	202.500	8.000	3.500	LREF	5.313	DELTAZ	.000	CONF'S	90.000
◇	225.000			BREF	5.313	X-SRB	.140	RUDER	.000
◇	247.500			YMRP	2.548		.300	3RBINC	.500
				ZMRP	.972				
					.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

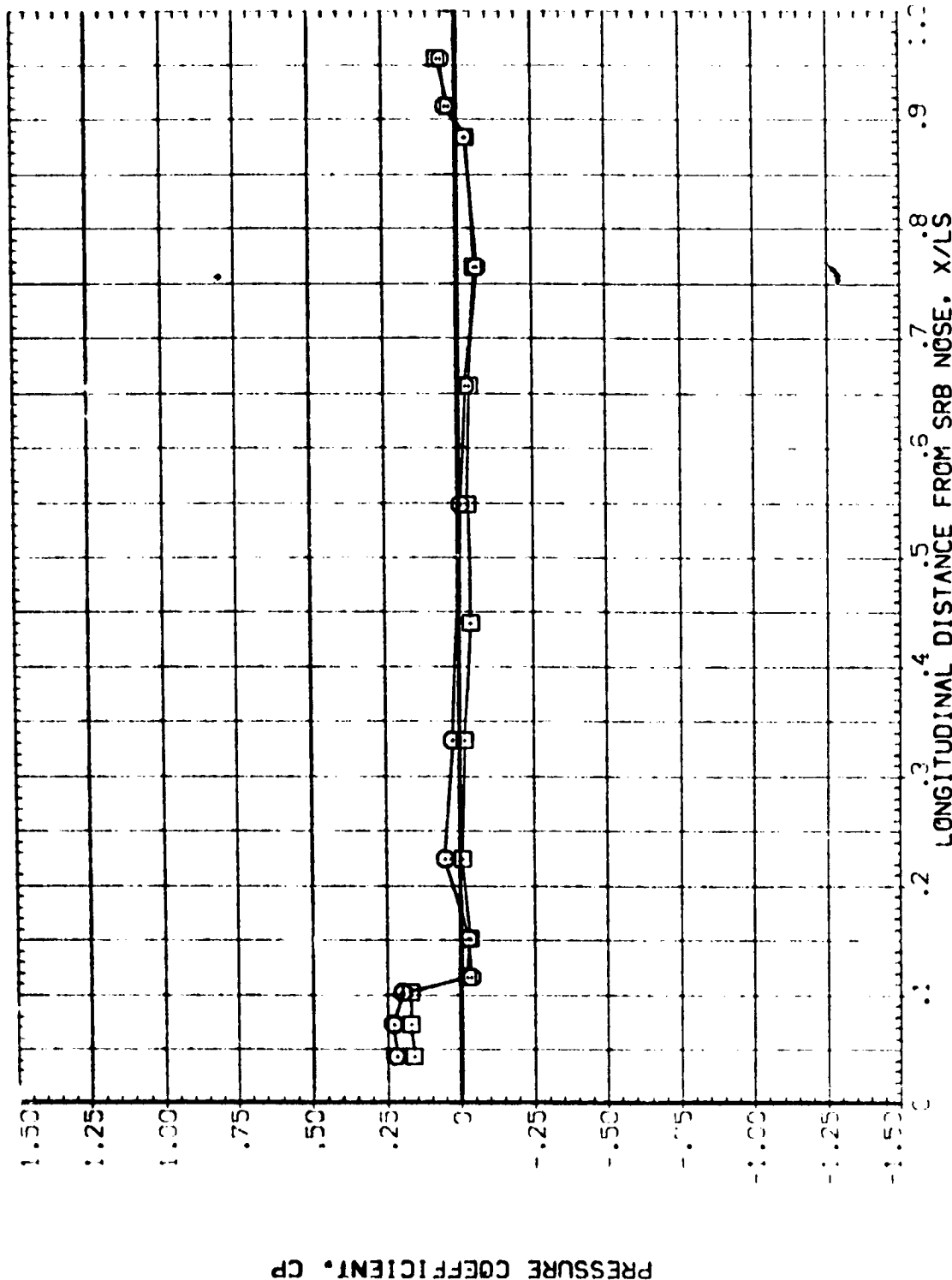
SYMBOL	P-1	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SO. IN.	ALPHA	.000	CONFIG
○	270.000	8.000	3.500	LREF	5.313	IN.	DELTA Z	.000	RUDDER
□	262.500			BREF	5.313	IN.	X-SRB	.140	
◇	315.000			YMRP	2.548	IN.		.000	ORBITAL
				ZMRP	.972	IN.			
					.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

SEC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

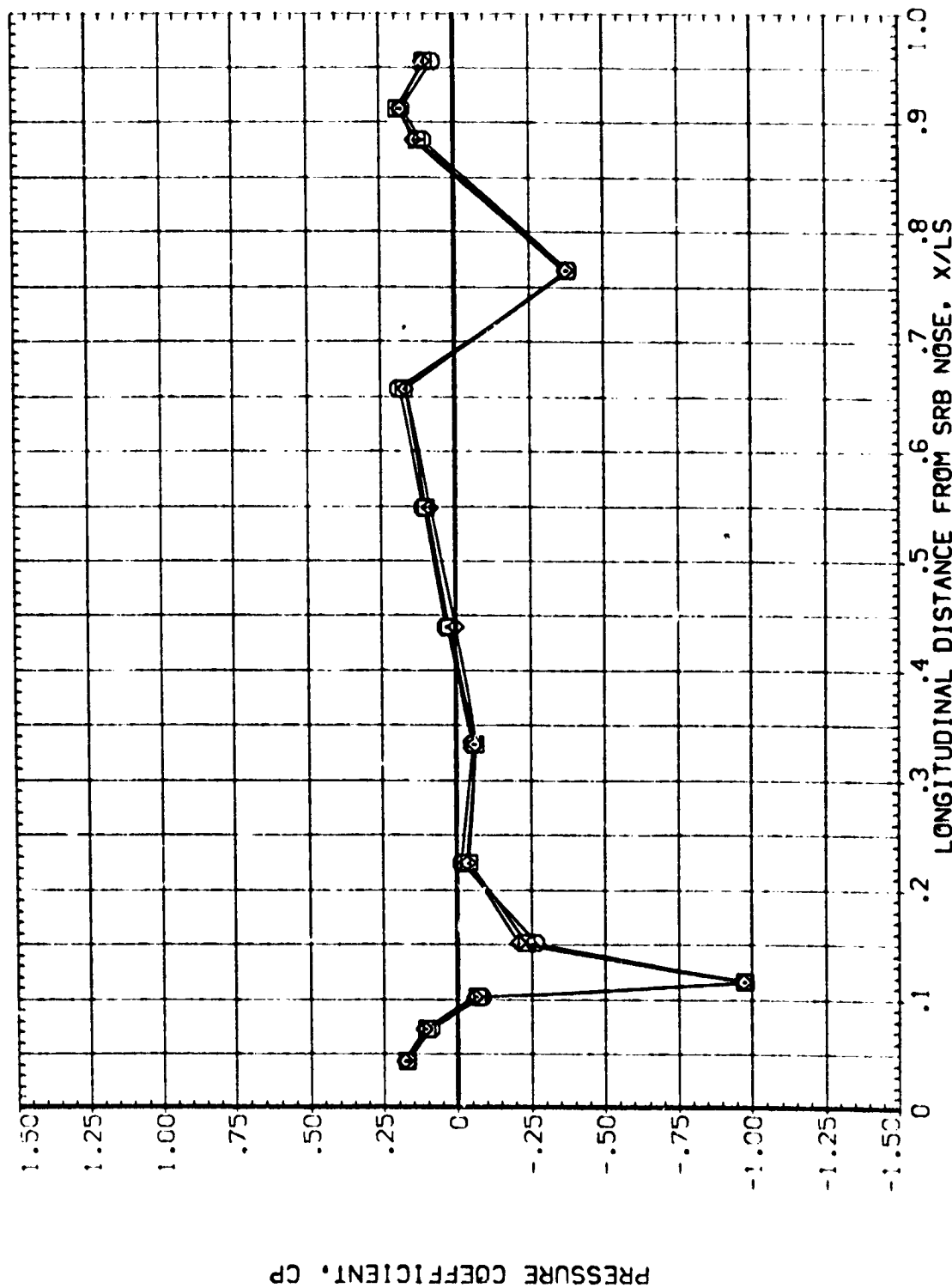
SYMBOL	DWT	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SO.IN.	ALPHA	CONF IG	90.DCC	
□	337.500	8.000	3.500	LREF	N.	DELTA Z	RUCOR	.000	.000
□	360.000			BREF	N.	X-SRB	ORRINC	.000	.000
				XMRP	N.				
				YMRP	N.				
				ZMRP	N.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

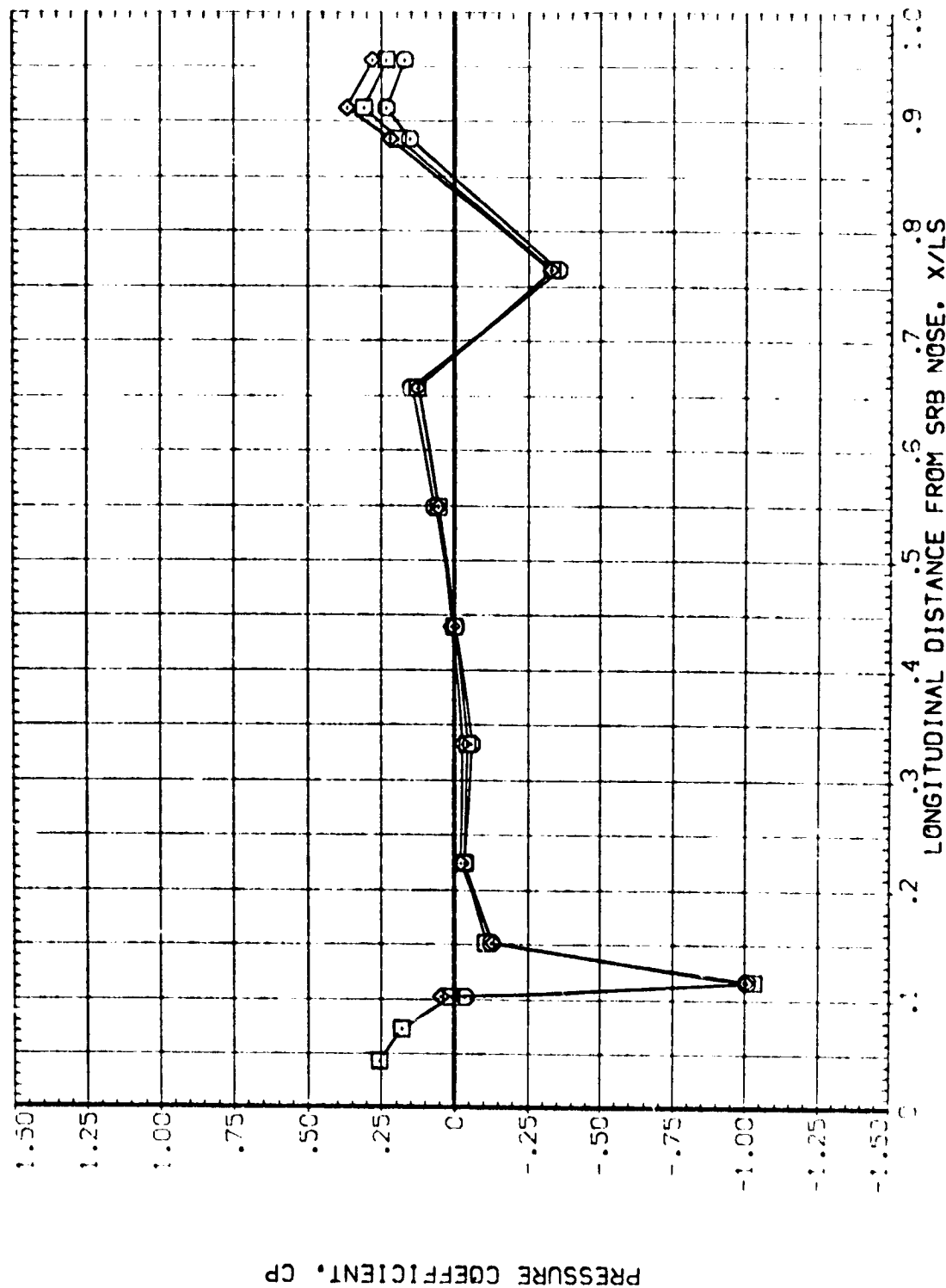
SYMBOL	UNIT	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SG. IN.	ALPHA	5.000	CONF IG
□	.000	-4.000	.900	LREF	5.313	IN.	DELTA Z	.140	RUDDER
□	22.500			BREF	5.313	IN.	X-SRB	.000	ORBITAL
◇	45.000			XMSP	2.549	IN.			
				VMSP	.972	IN.			
				ZMSP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A92S03)

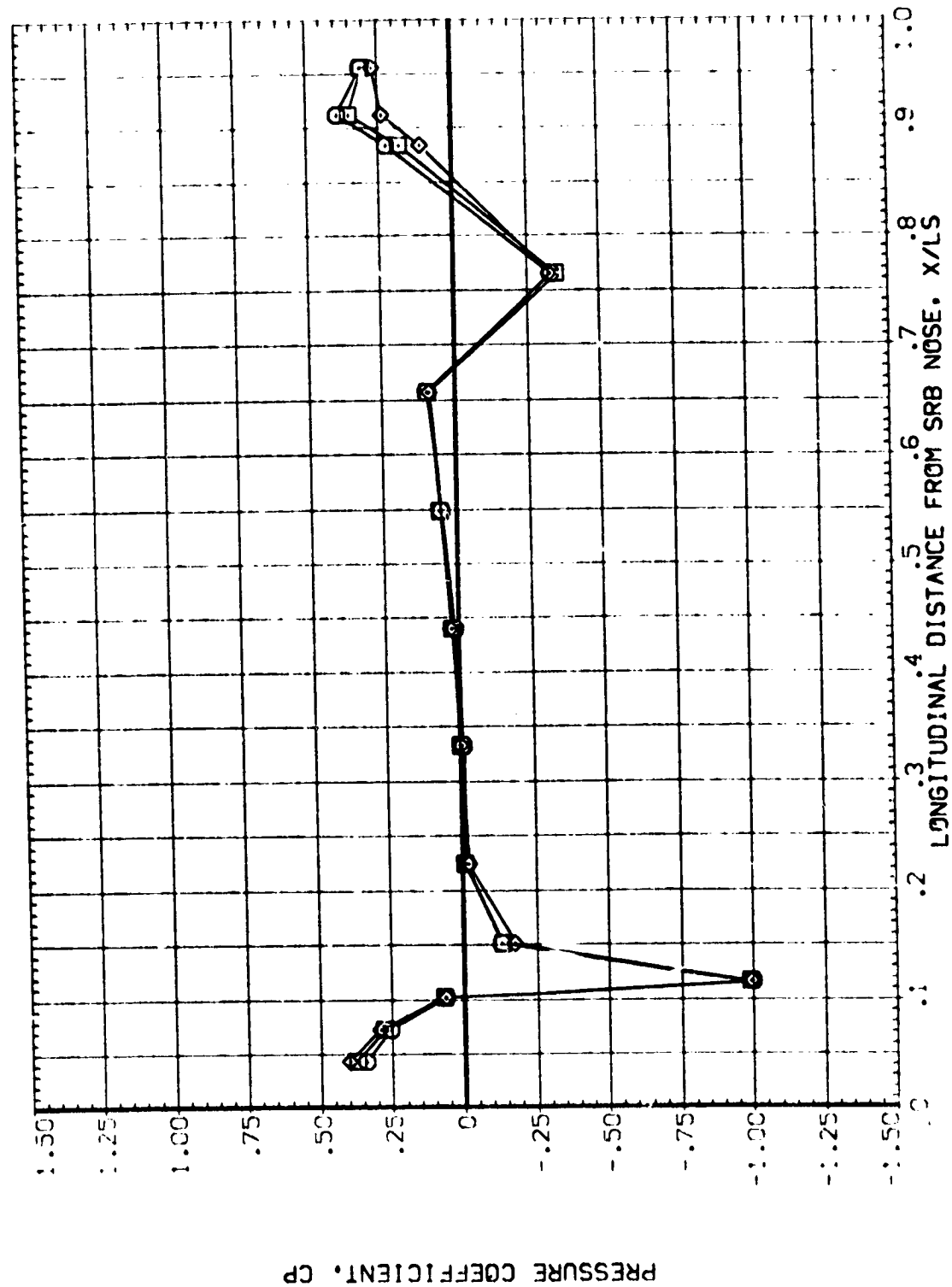
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
○	67.500	-4.000	.900	SREF	6.198	ALPHA	5.000	CONFIS	90.000
□	90.000			LREF	3.313	DELTA Z	.140	RUDDER	.000
◇	112.500			BREF	5.313	X-S99	.000	CPG INC	.500
				XMRP	2.549				
				YMRP	.972				
				ZMRP	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

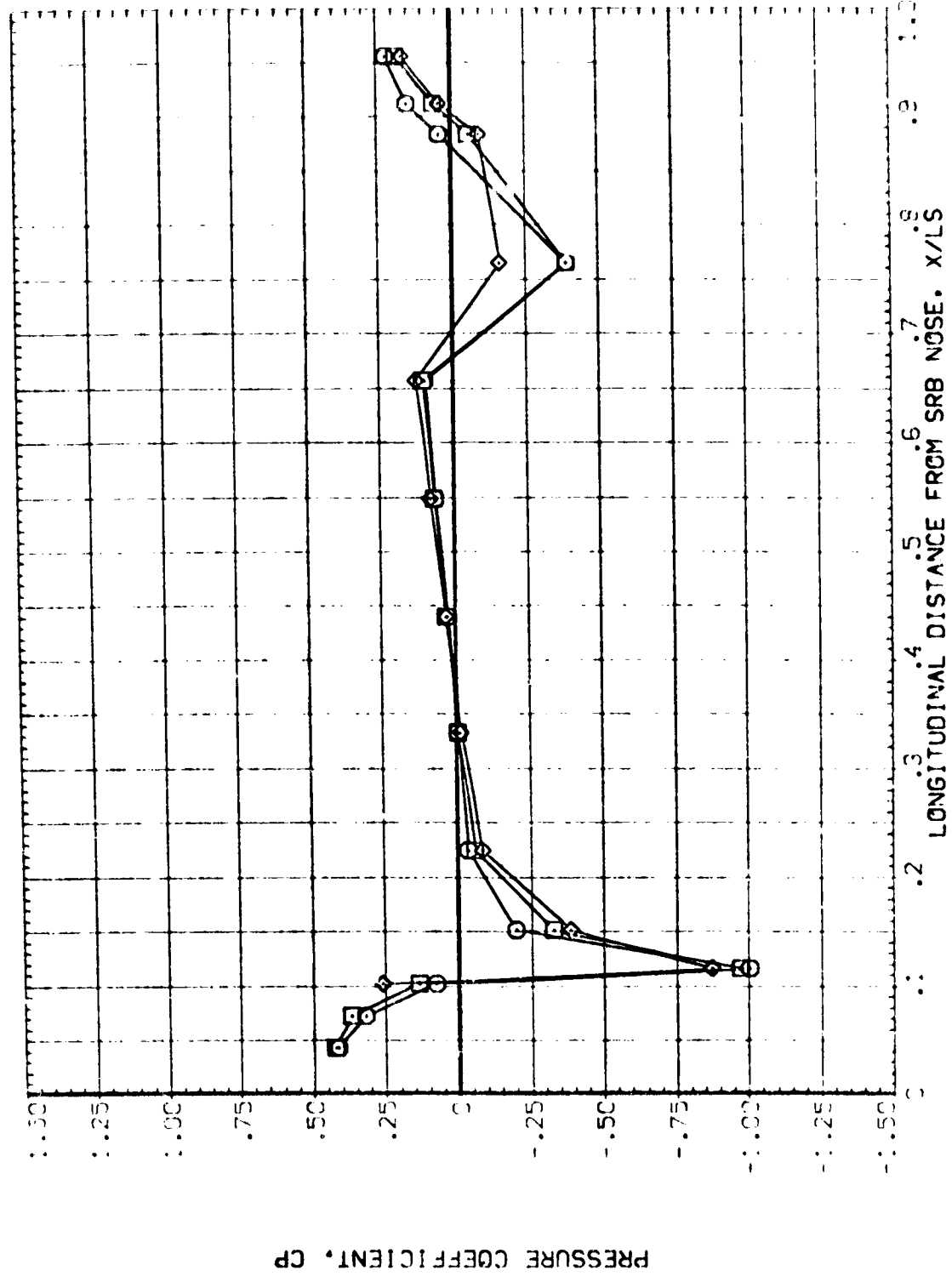
SYMBOL	PAI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	CONF	IS	
□	135.000	-4.000	.900	6.198	5.313	5.313	2.549	DELTAZ	.000	RUDDER	.000
◇	157.500							X-SRB	.000	CS9INC	.500
	180.000										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

W3FC 567(1A32F) T9 S3/2 S3/2 C3 SRM BOOSTER (A82S03)

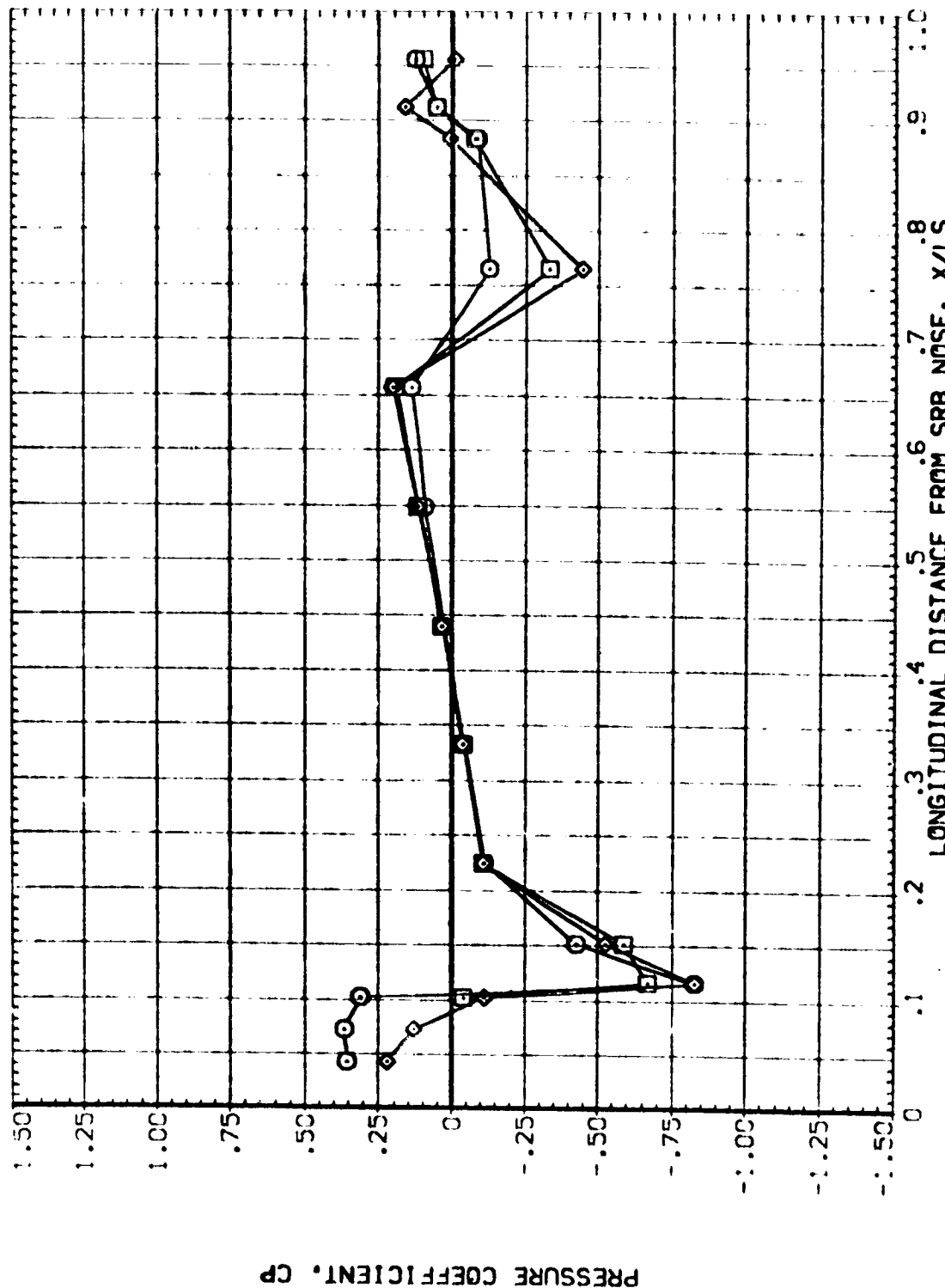
REFERENCE DATA		PARAMETRIC VALUES	
SREF	6.198	ALPHA	5.000
LRREF	5.313	DELTAZ	.140
BRREF	5.313	X-SRB	.000
VRREF	2.549	CONFIG	90.000
VRREF	.972	RUDER	.000
VRREF	.000	ENGINE	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 C3

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

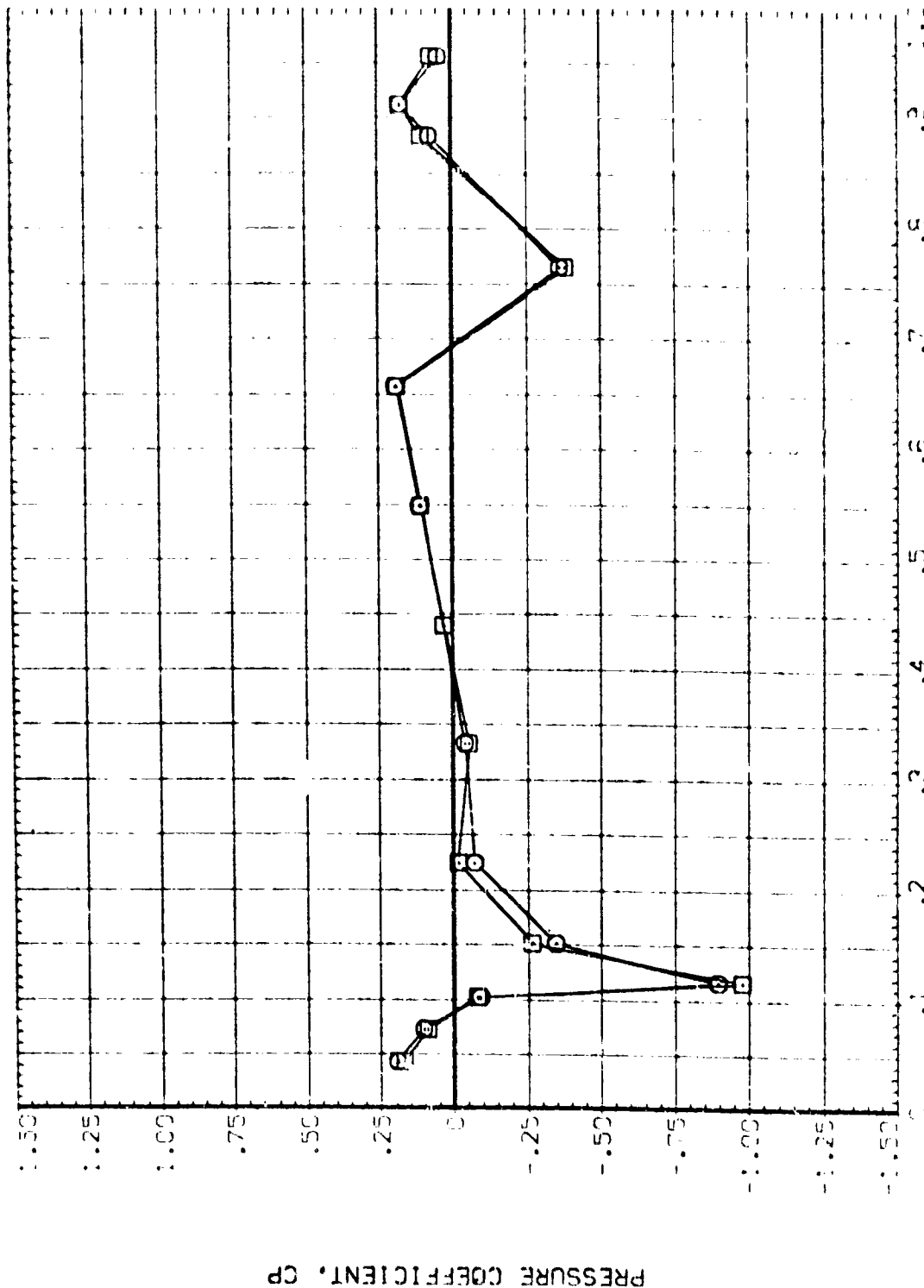
SYMBOL	DYN	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	DELTAZ	CSFIS	CSFIS
◇	0.000	-4.000	.900	6.198	5.313	5.313	2.549	.140	.000	.000	.500
◇	222.500			.972							
◇	315.000			.000							



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

VSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

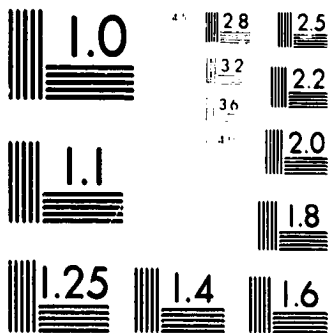
SYMBOL		DATA		REFERENCE DATA		PARAMETRIC VALUES	
10	337.500	BETA	-4.000	MACH	.900	ALPHA	5.000
	350.000			SREF	6.198	DELTA Z	.140
				LREF	5.313	X-SRB	1.000
				BREF	5.313		
				XTRP	2.548		
				YTRP	.572		
				ZTRP	1.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 SC.2 03

Bot 8

6 11224



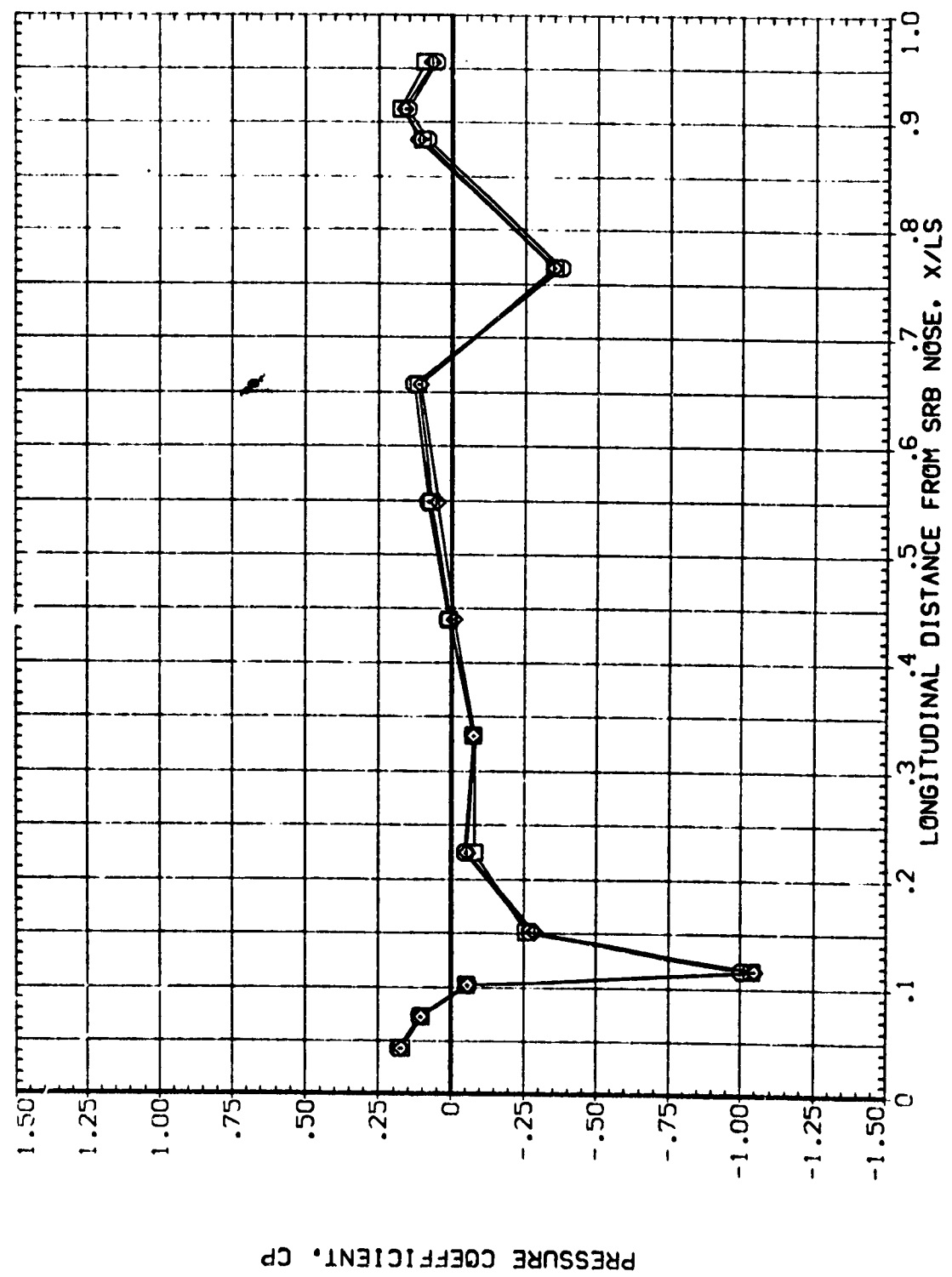
MICROCOPY RESOLUTION TEST CHART

NATIONAL BUREAU OF STANDARDS-1963-A

C.3

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

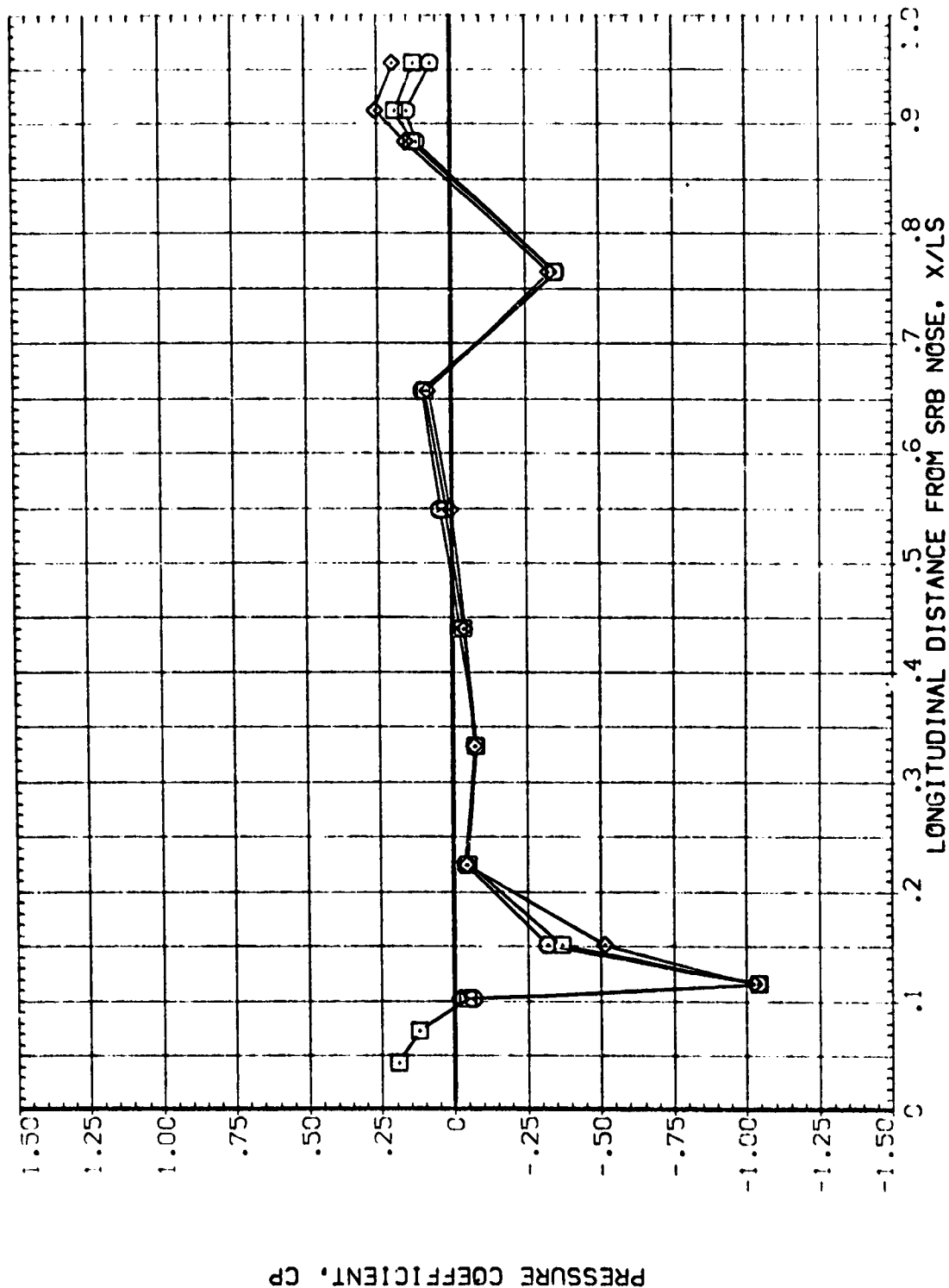
SYMBOL		BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
○	.000	.000	.900	SREF	6.198	5.000	CONF IG
□	22.500			LREF	5.313	.140	RUDDER
◇	45.000			BREF	5.313	.000	CRBING
				YMRP	2.548		
				ZMRP	.972		
				ZMRD	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

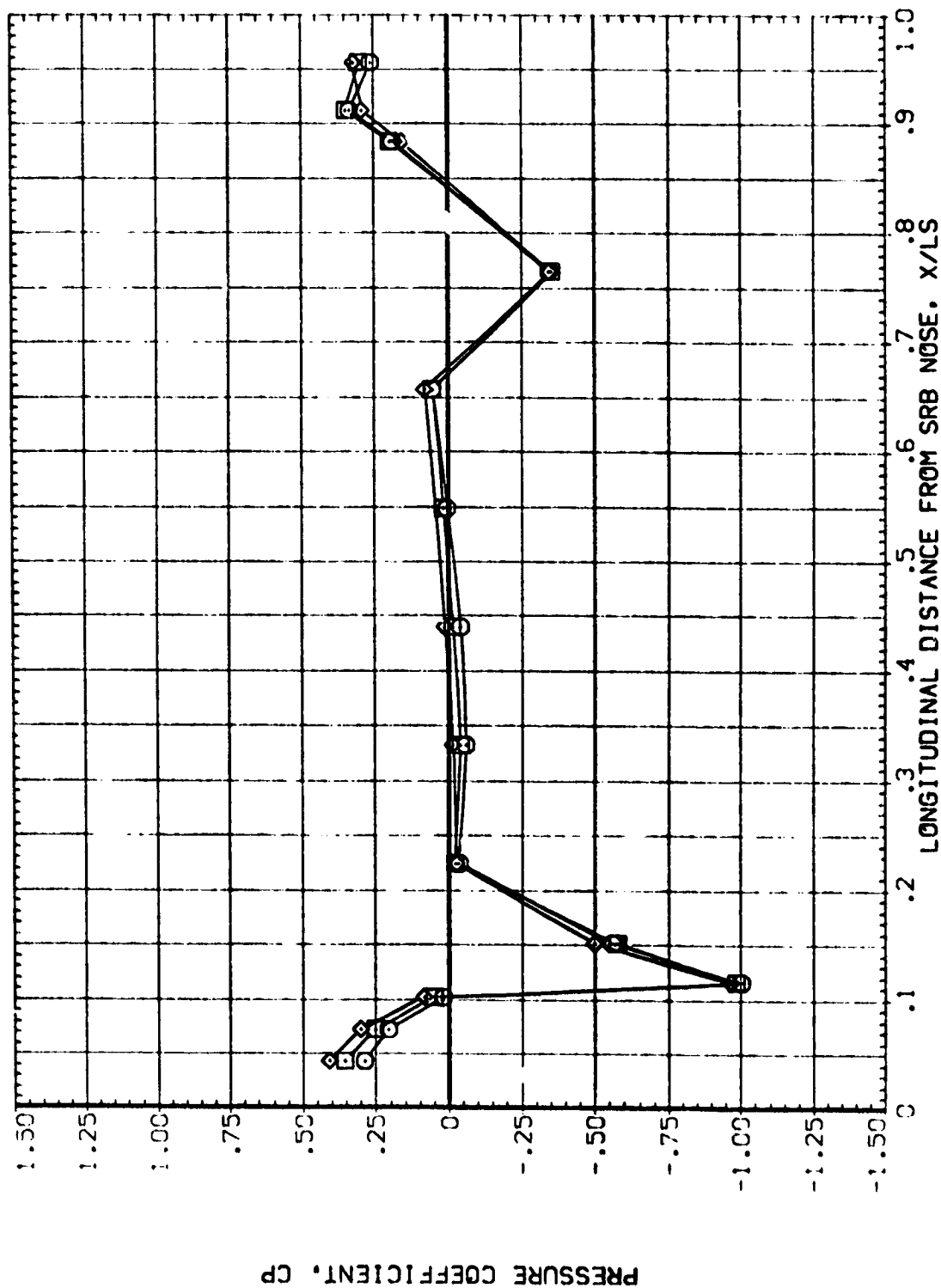
SYMBOL	P41	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SG, IN.	ALPHA	CONF IG
□	67.500	.000	.900	L REF	5.313	DELTA Z	.140
◇	90.000			B REF	5.313	X-SRB	.000
	112.500			XMRP	2.549		CRB IN C
				YMRP	.972		
				ZMRP	.000		
							90.000
							.000
							.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

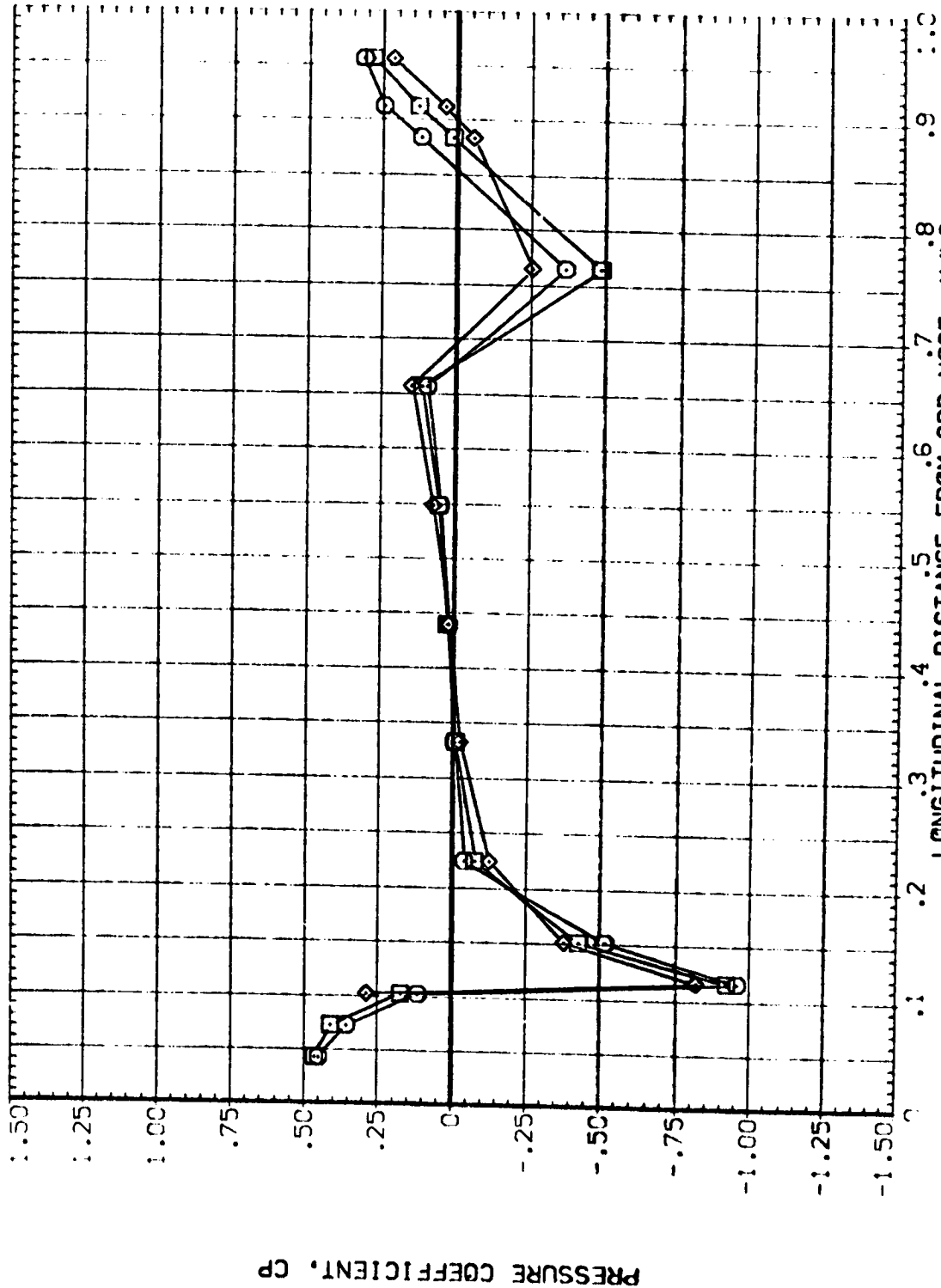
SYMBOL	Q41	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	5.000	CONF IG
◇	135.000	.000	.900	LREF	5.313	IN.	DELTA Z	.140	RUDDER
□	157.500			BREF	5.313	IN.	X-SRB	.000	CRB INC
◇	180.000			XPRP	2.549	IN.			
				YPRP	.972	IN.			
				ZPRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

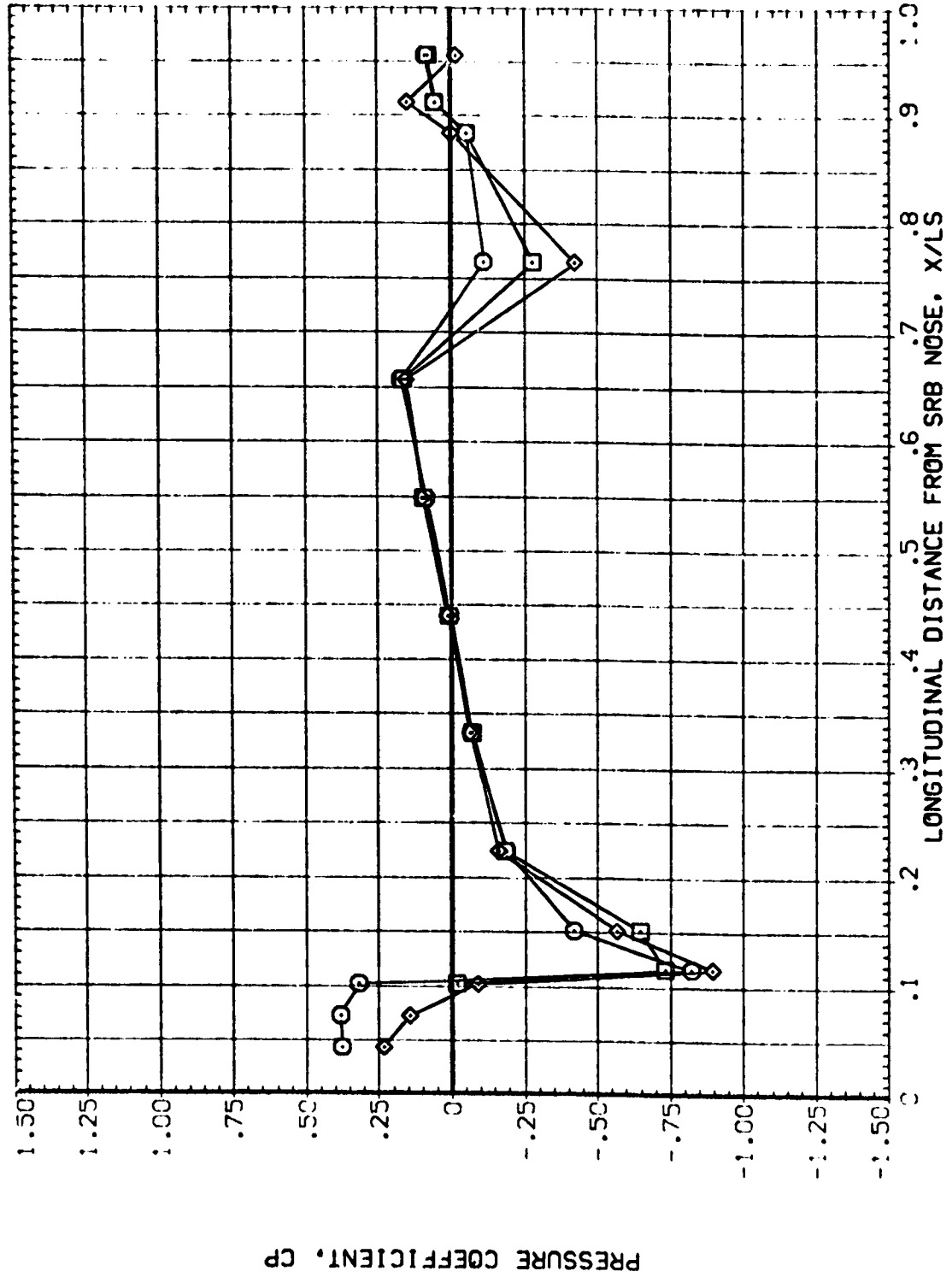
SYMBOL	PHI	BETA	MACH	REFERENCE DATA	SG IN.	PARAMETRIC VALUES
○	222.500	.000	.900	SREF 6.198	N.	5.000 CONFIG 90.000
□	225.000			LREF 5.313	N.	.140 RUDDER .000
◇	247.500			BREF 5.313	N.	.000 DR31MC .500
				XMRP 2.548	N.	
				YMRP .972	N.	
				ZMRP .000	N.	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

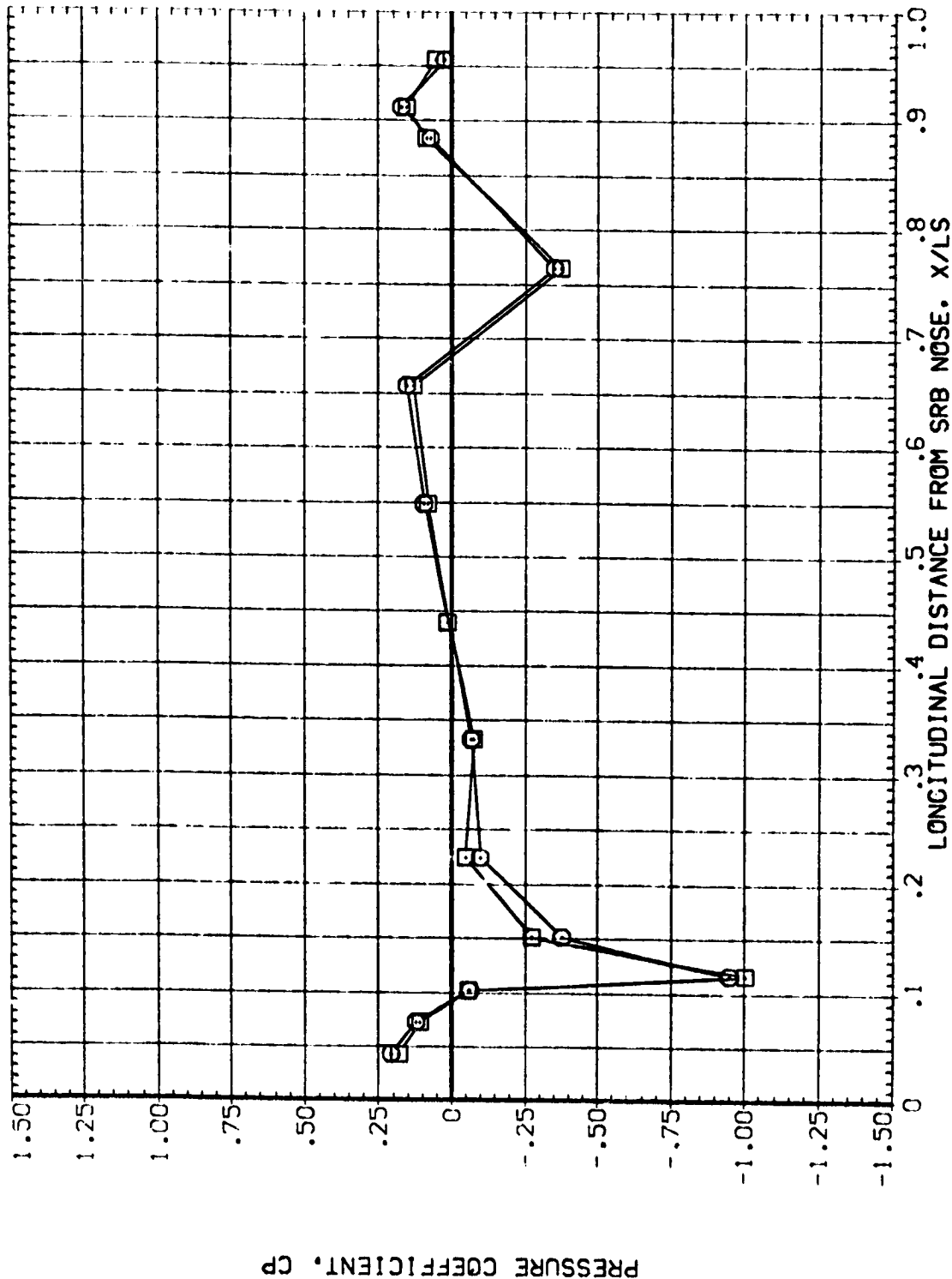
SYMBOL	P41	BETA	MACH	REFERENCE DATA						PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	SO, IN.	ALPHA	CONF IG	90,000
○	270.000	.000	.900	6.198	5.313	IN.	IN.	IN.	IN.	5.000	.140	RUDDER	.000
□	292.500			2.549	.972	IN.	IN.	IN.	IN.	.000	.000	DPB INC	.500
◇	315.000												



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

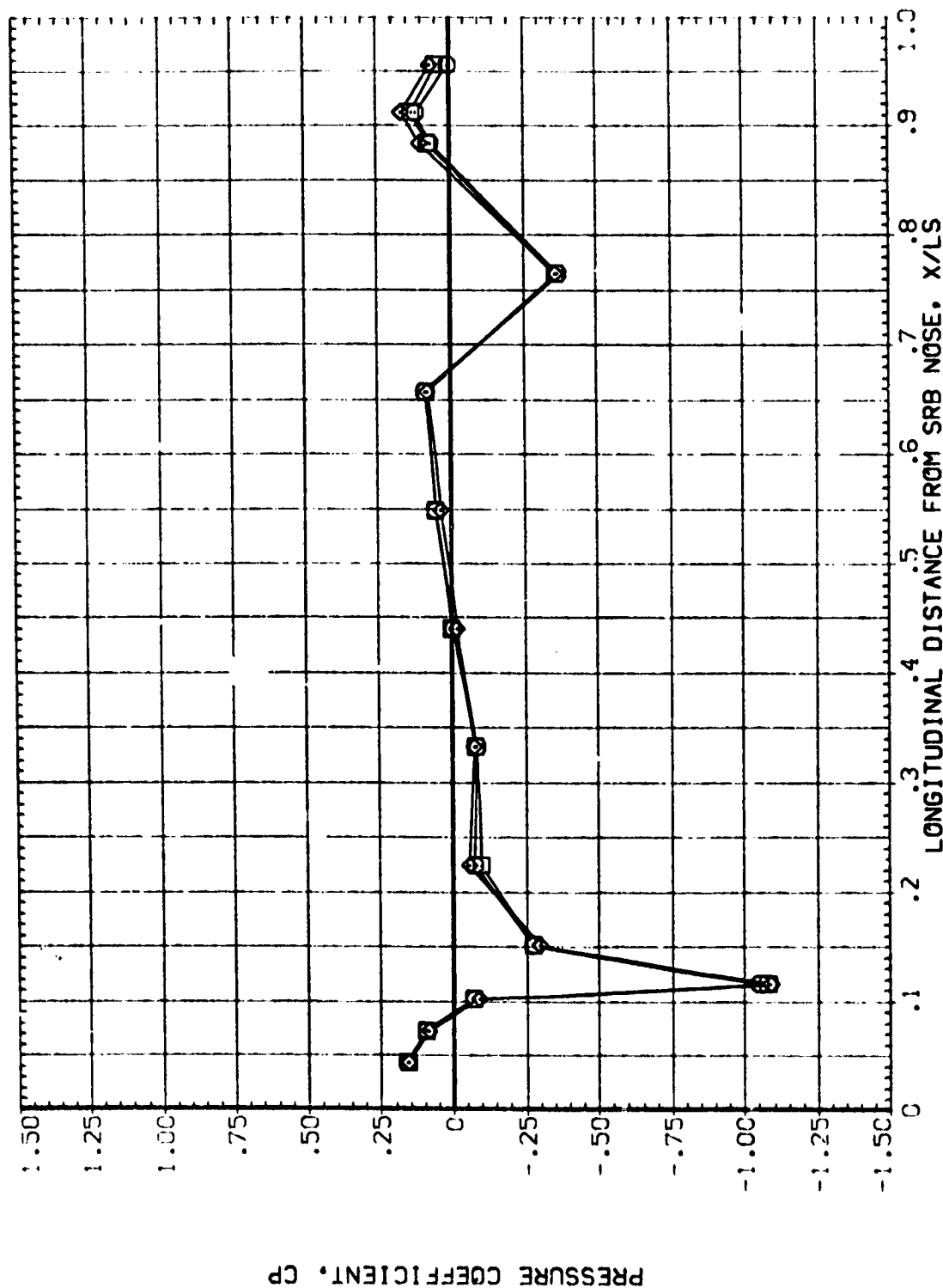
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SO. IN.	ALPHA	CONFIS	90.000
○	337.500	.000	.900	5.313	5.313	5.313	2.549	IN.	DELTA Z	RUDER	.000
□	360.000			.972			.000	IN.	X-SRB	SRB INC	.500
				.000				IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

SYMBOL	MACH	BETA	REFERENCE DATA				PARAMETRIC VALUES			
			SREF	LREF	BREF	XMRP	YMRP	ZMRP	SO IN.	ALPHA
◇	.000	4.000	6.198	5.313	5.313	2.549	.972	.000	50.000	CONFIS
□	22.500	.900	5.313	5.313	5.313	2.549	.972	.000	.140	RUDDER
◇	45.000		5.313	5.313	5.313	2.549	.972	.000	.000	ORBNIC



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL

PHI
67.500
90.000
112.500

BETA	MACH
4.000	.900

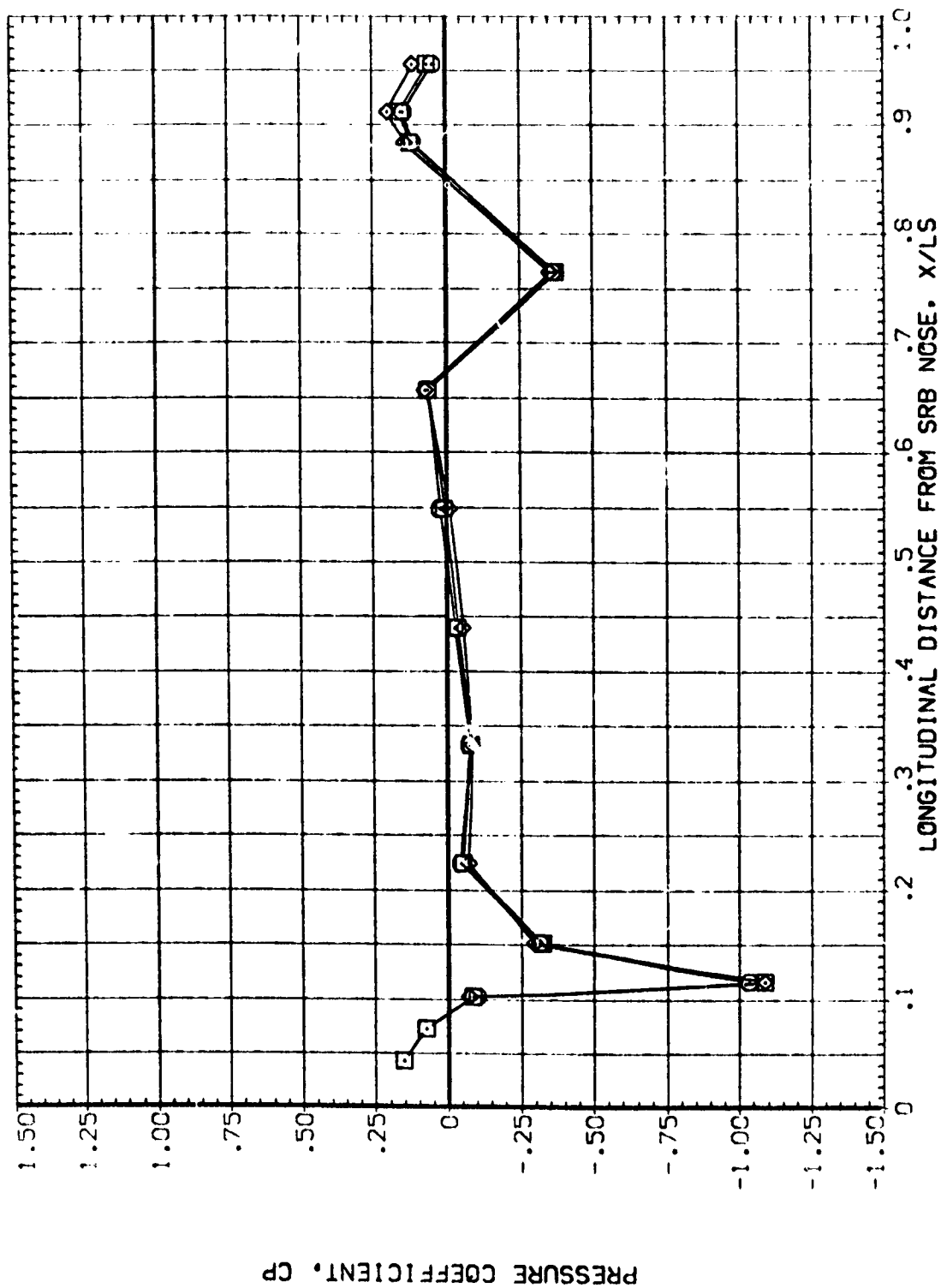
	REFERENCE DATA
SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

$$\begin{array}{c} \dot{z} \\ \hline g \dot{z} \dot{z} \dot{z} \dot{z} \dot{z} \dot{z} \end{array}$$

ALPHA
DELTA Z
X-SBS

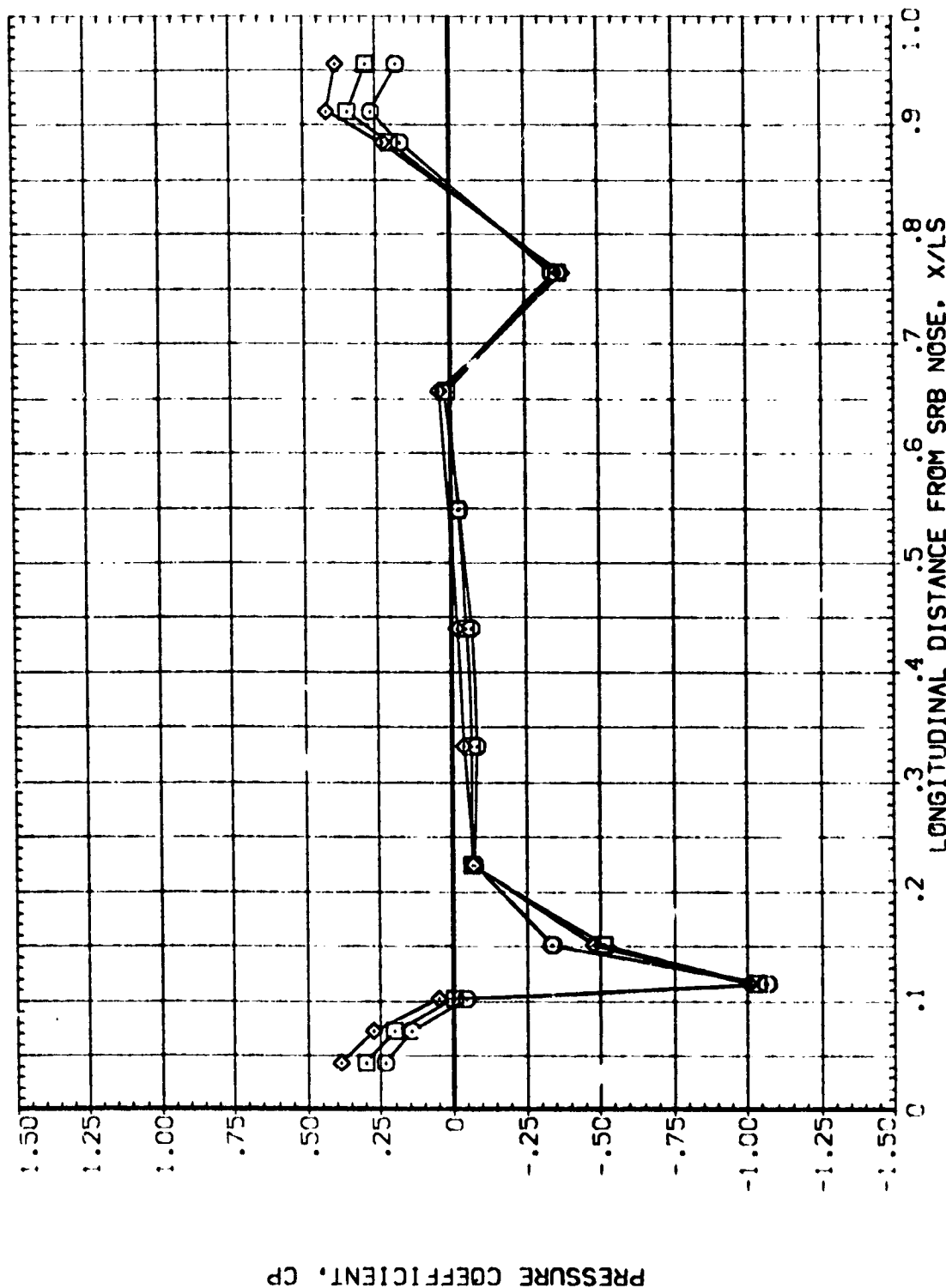
PARAMETRIC VALUES	
5.000	CONFIG
.140	RUDDER
.000	GRBINC

000006



MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

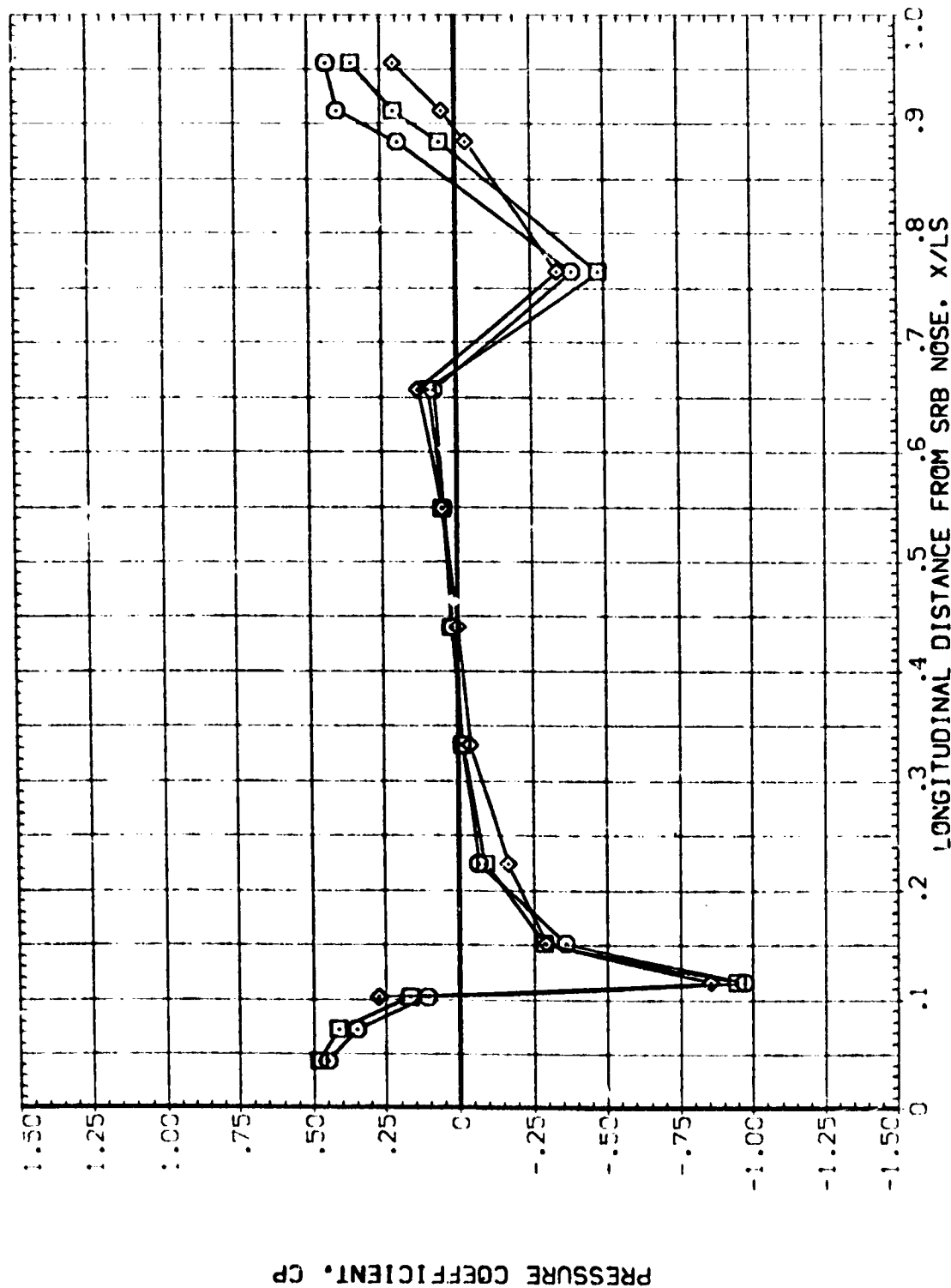
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	50. IN.	90. IN.
◇	135.000	4.000	.900	6.198	5.313	5.313	2.549	.972	.000	5.000	5.000
□	157.500									.140	.000
◇	190.000									.000	.000
											.500
											.000
											.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

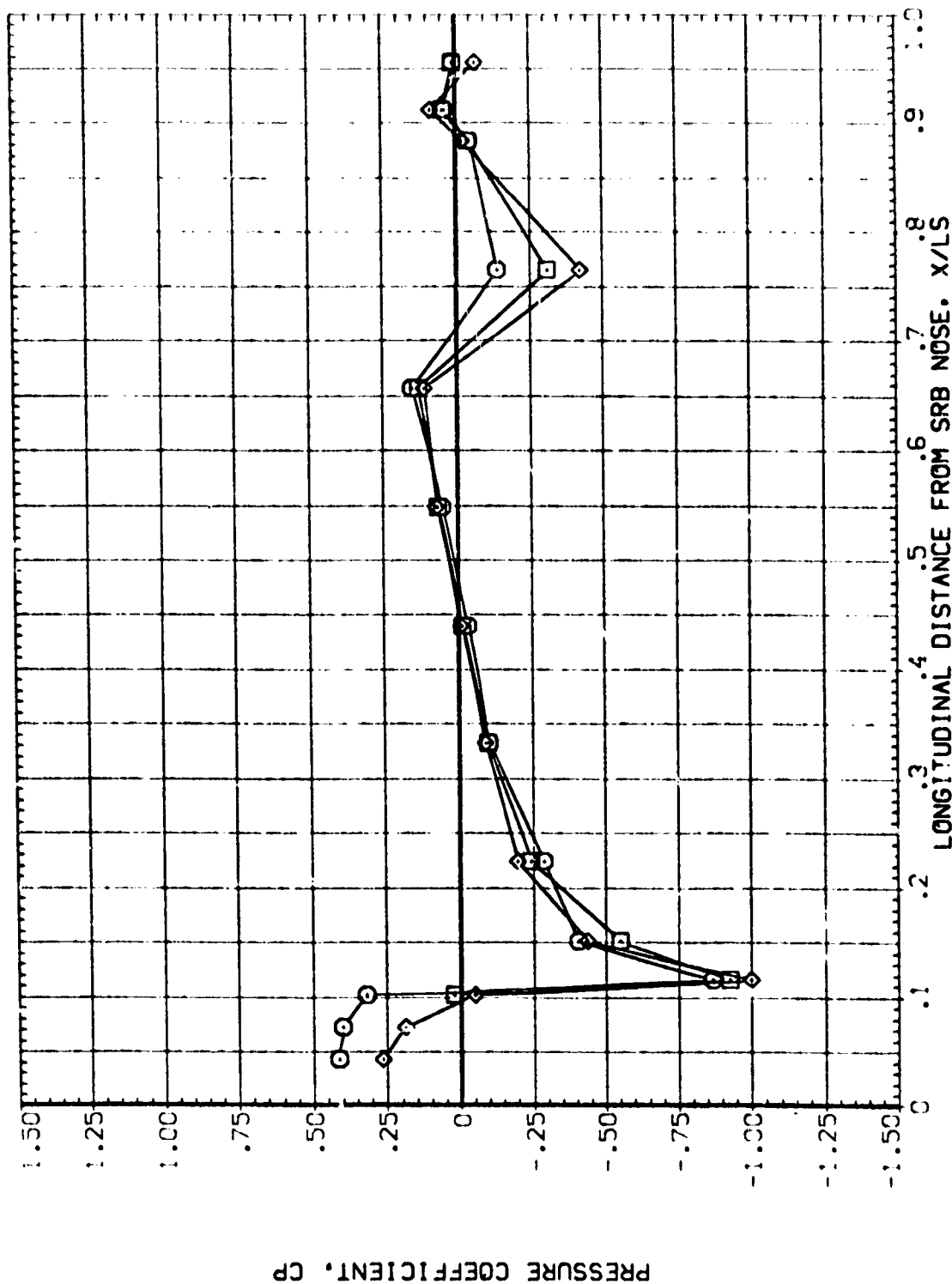
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	LREF	SG IN.	ALPHA	CONF IG	
○	202.500	4.000	.900	6.198	5.313	N.	DELTA Z	.140	RUDDER
□	225.000			5.313	2.549	N.	X-SRB	.000	C991C
◇	247.500			.572	.000	N.			.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

NSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

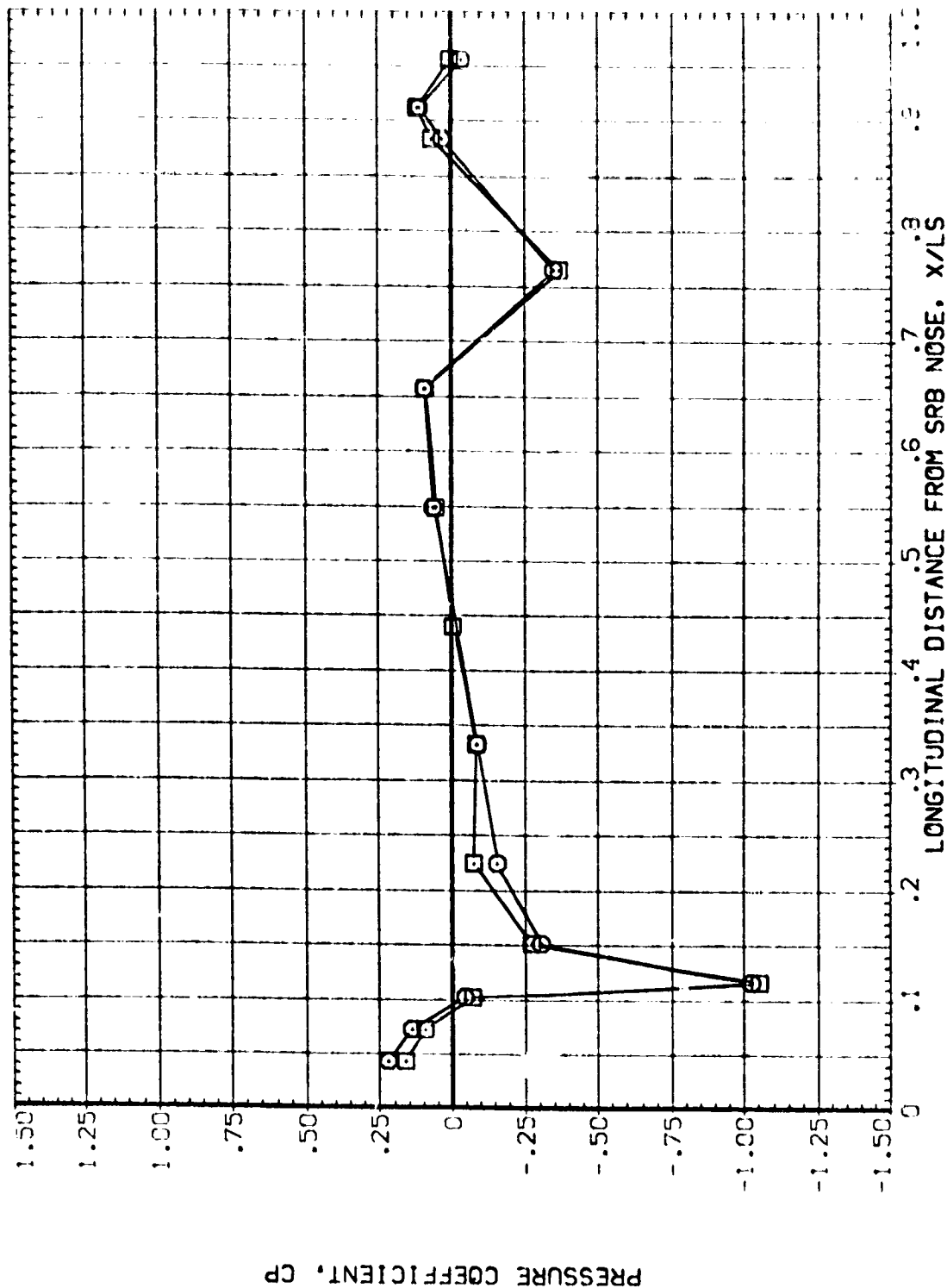
SINGLES	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	X-REF	6.198	5.313	5.000	50.000
○	272.000	4.000	.900					5.313	.140	CONF 15	.000
□	292.500							2.545	.000	RUDER	.500
◇	315.000							.572		SRS INC	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 33

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

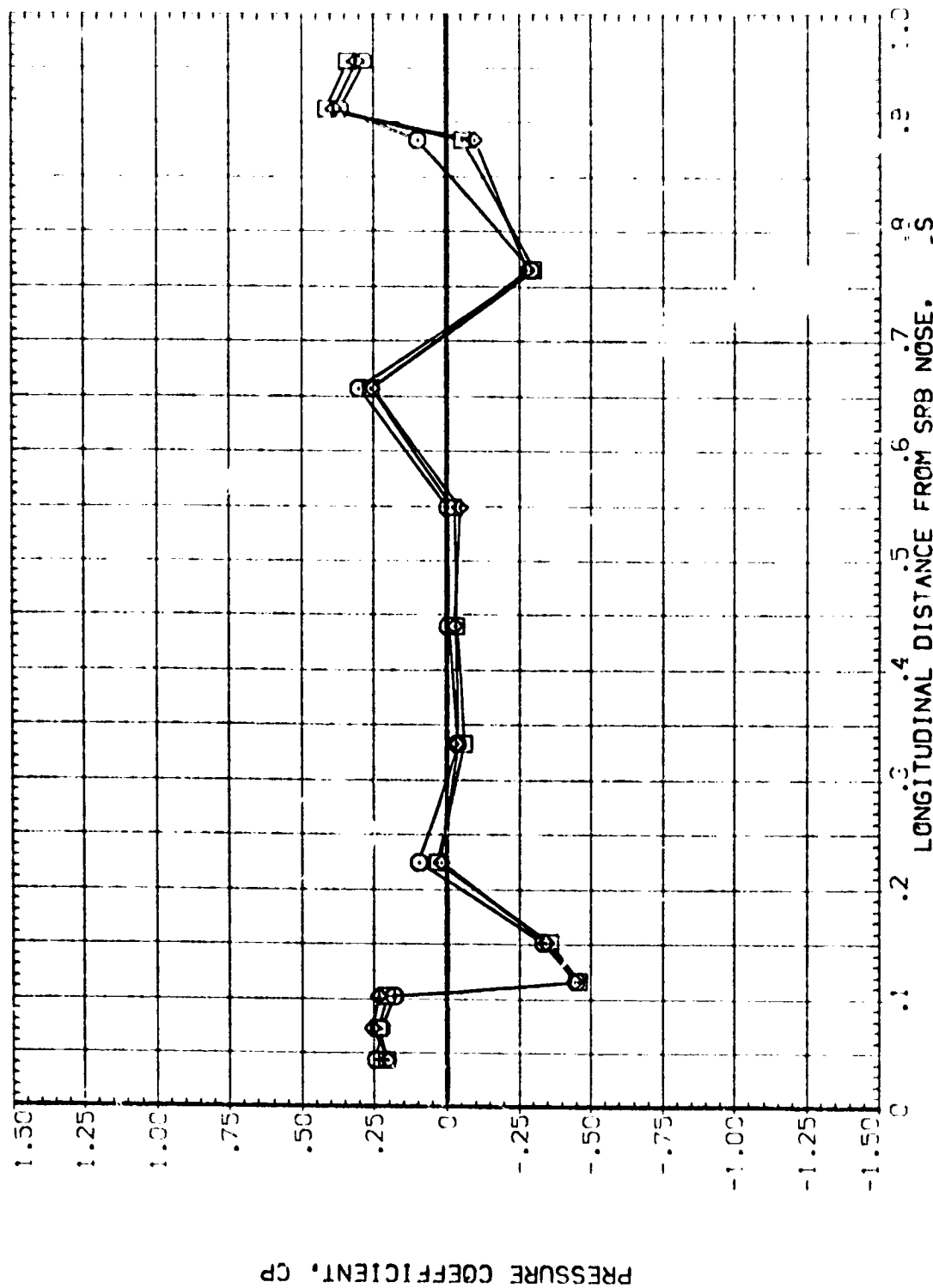
SYMBOL	P-1	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	LREF	ALPHA	CONF	
□	337.500	4.000	.900	6.198	5.313	DELTA Z	.140	R-DOEP
□	320.000			5.313	2.549	X-SRB	.000	DOBTIC
				YMRP	.972			.500
				ZMRP	.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

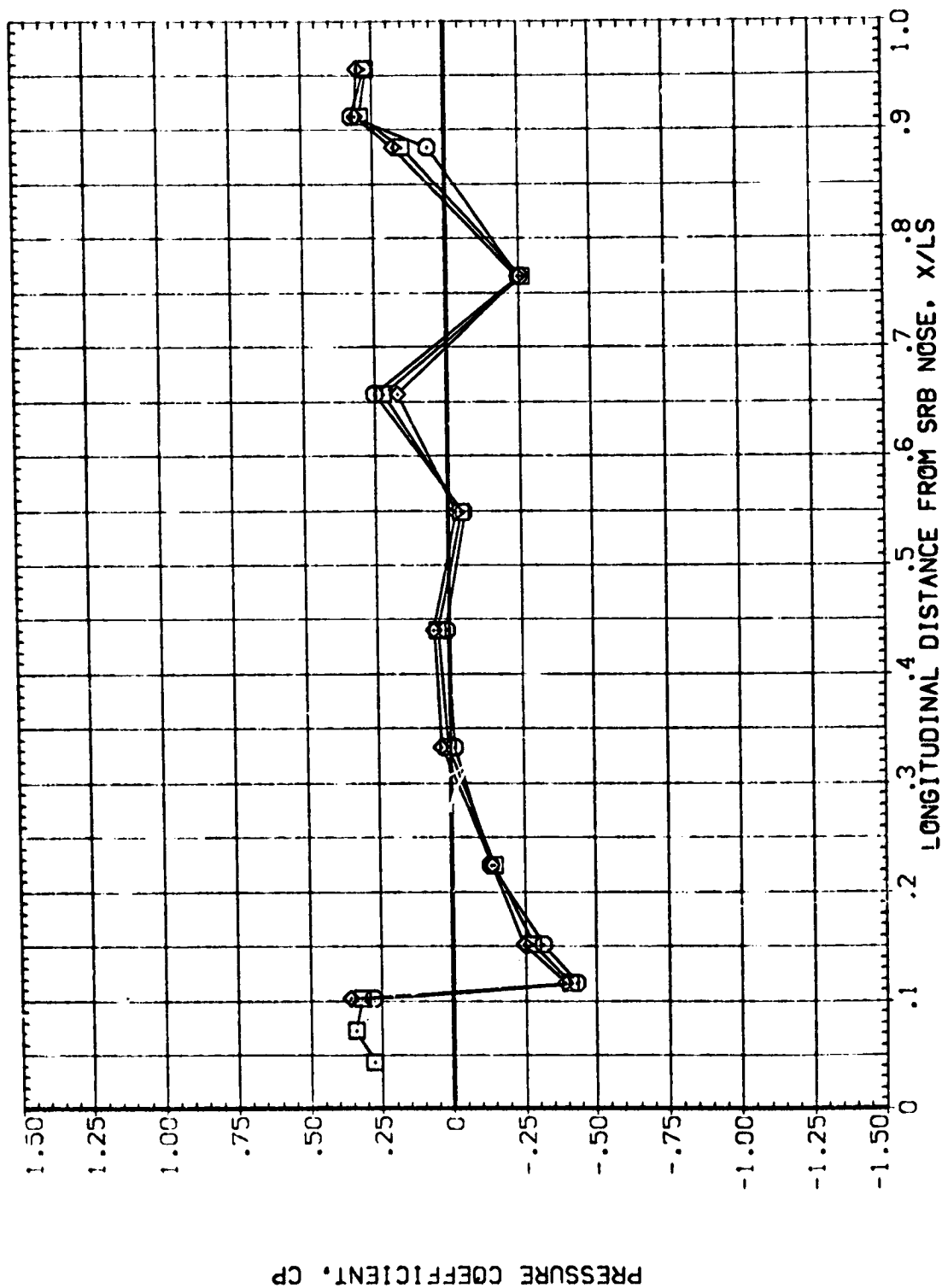
SYMBOL	P41	BETA	MAJH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SO. IN.	ALPHA	5.000	CONFUS
□	22.500	-4.000	1.250	LREF	5.313	IN.	DELTAZ	.140	R-RODER
◇	45.000			PREF	5.313	IN.	X-SRB	.000	099INC
				XPRP	2.548	IN.			
				YPRP	.972	IN.			
				ZPRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

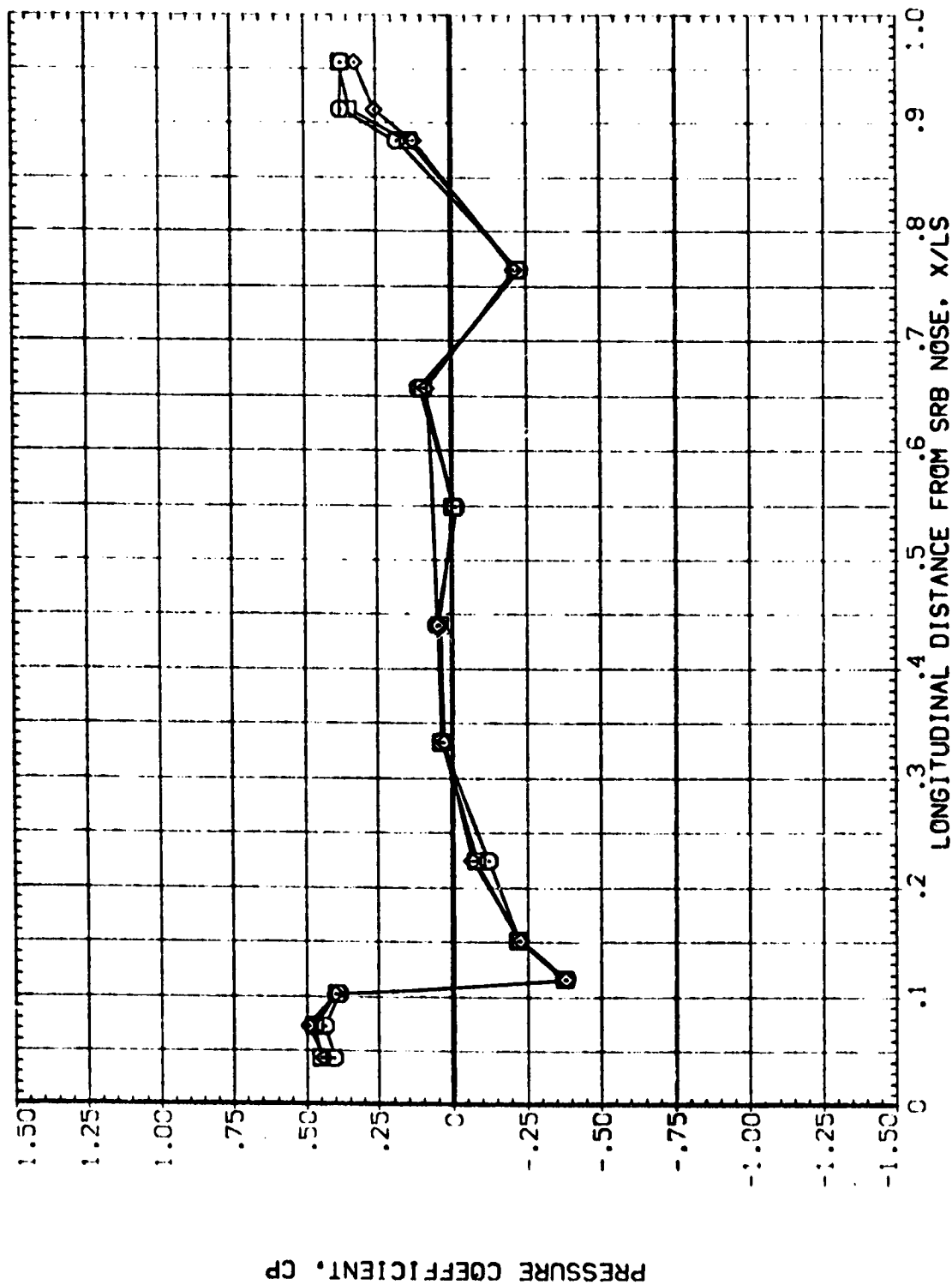
SYMBOL	PHI		BETA		MACH		REFERENCE DATA				PARAMETRIC VALUES			
	57.500	90.000	-4.000	1.250	5.000	CONF IG	SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTA Z
◇	57.500	90.000	-4.000	1.250	5.000	CONF IG	6.198	5.313	5.313	2.549	.972	.000	5.000	.140
○	90.000	112.500				RUDDER							.000	.000
◇						ORIGIN							.500	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

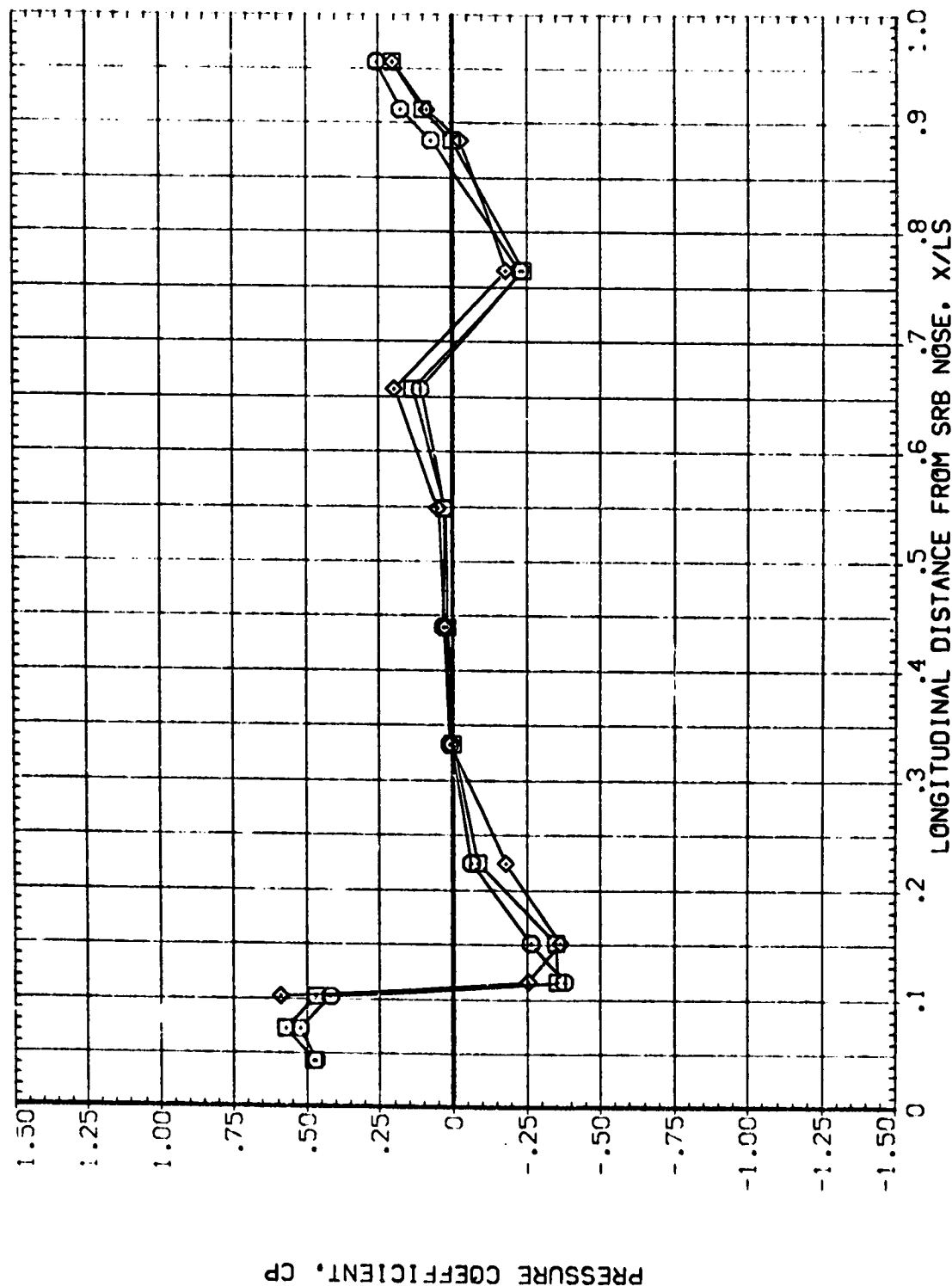
SYMBOL	REF	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SG.IN.	ALPHA	CONV'S
□	135.000	-4.000	1.250	5.313	IN.	DELTAZ	5.000
◇	157.500			5.313	IN.	X-SRB	.140
	190.000			2.549	IN.		.000
				.972	IN.		.9981NC
				.000	IN.		.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

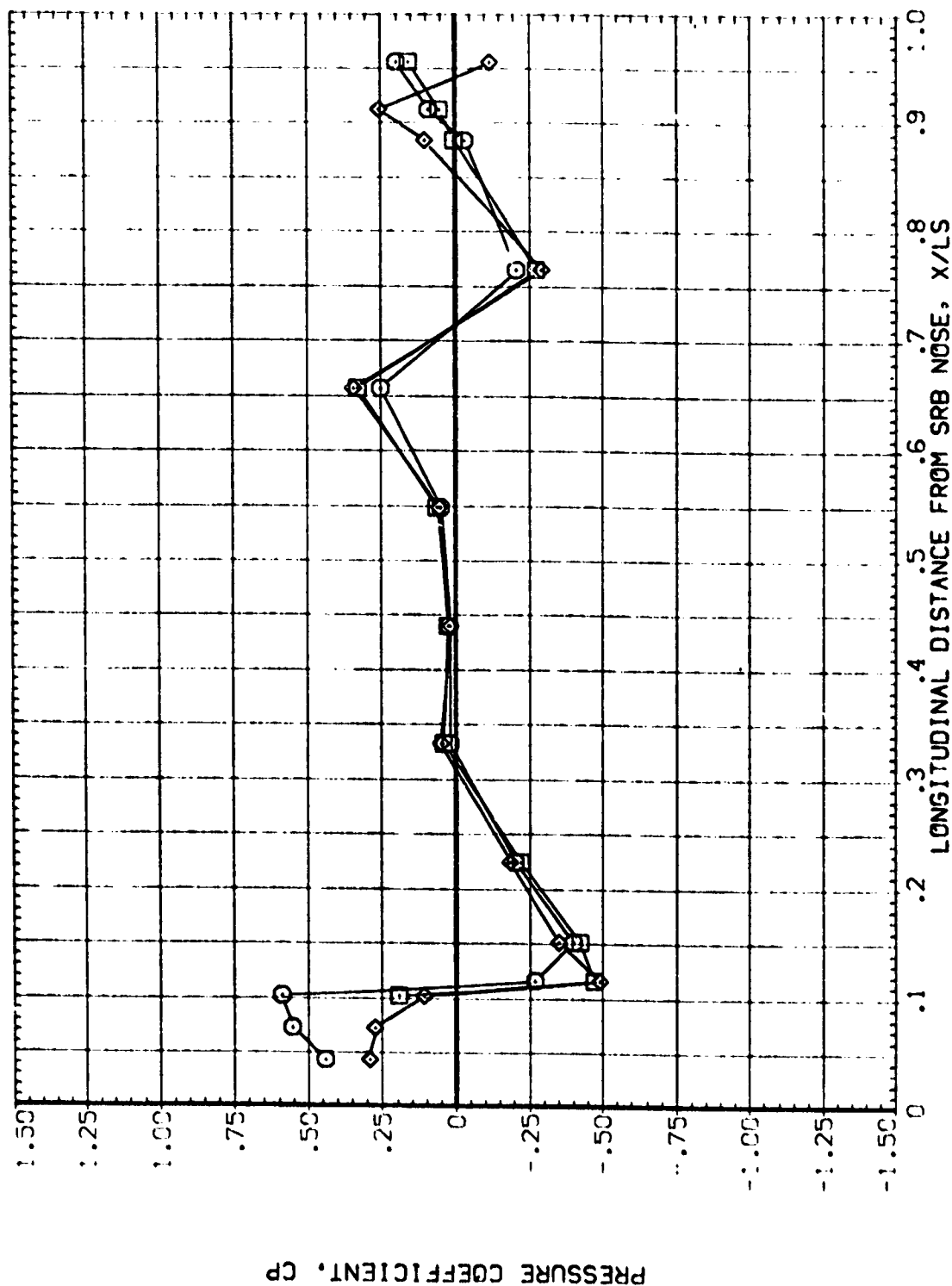
SYMBOL	P41	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
□	202.500	-4.000	1.250	SREF 5.198	5.000 CONF IG 90.000
□	225.000			LREF 5.313	.140 RUDDER .000
◇	247.500			XPRP 2.549	.000 ORB INC .500
				YPRP .572	
				ZPRP .000	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL	Phi	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SO. IN.	ALPHA	5.000	CONFIS
	270.000	-4.000	1.250	LREF	5.313	IN.	DELTAZ	.140	RUDER
	292.500			BREF	5.313	IN.	X-SRB	.000	2981NC
	315.000			WREF	2.549	IN.			
				ZREF	.972	IN.			
					.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL

PH!
337.500
360.000

BETA	MACH
-4.000	1.250

REFERENCE DATA	
SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

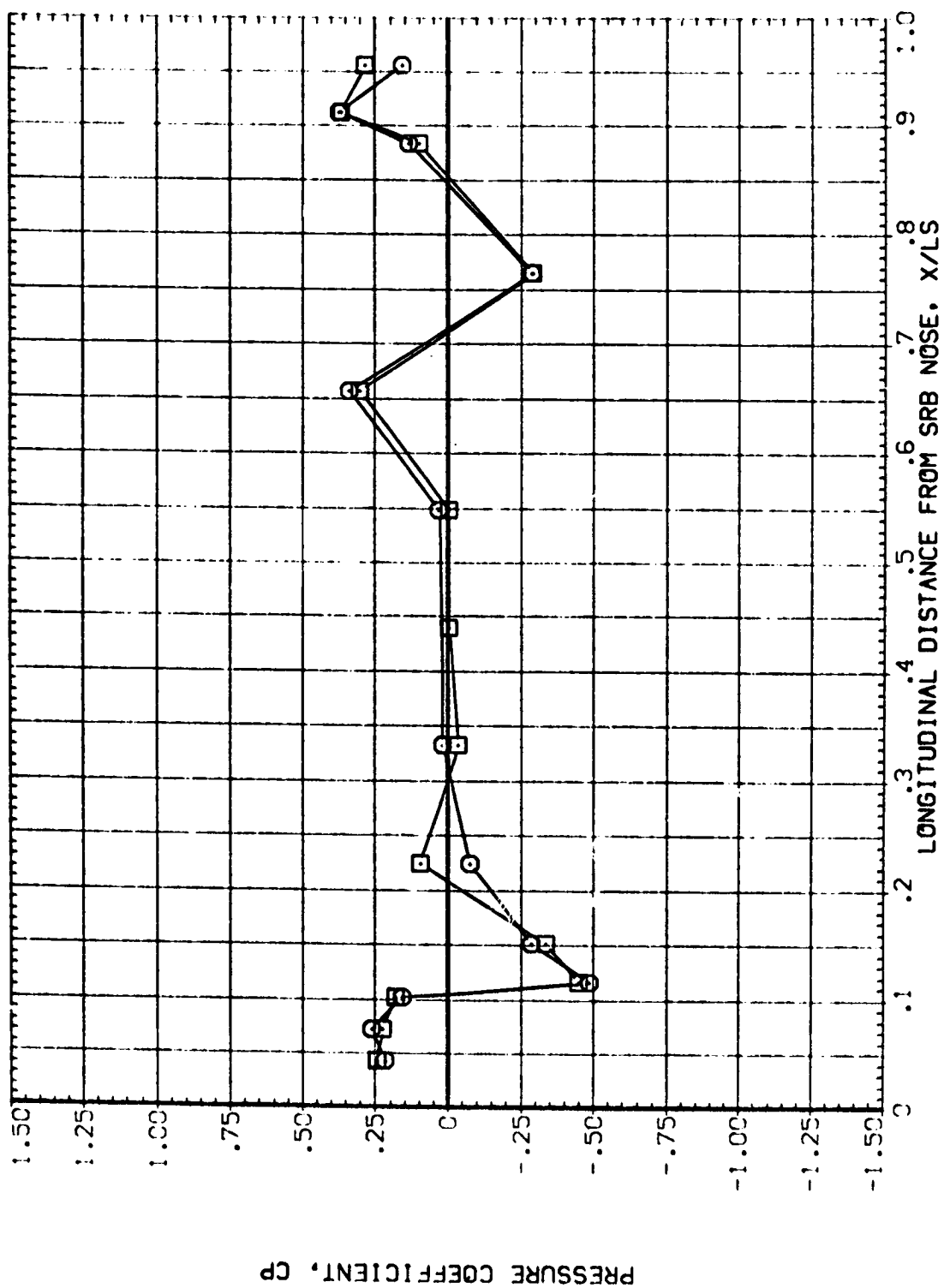
z
gzzzzz

ALPHA
DELTA Z
X-SRB

PARAMETRIC VALUES

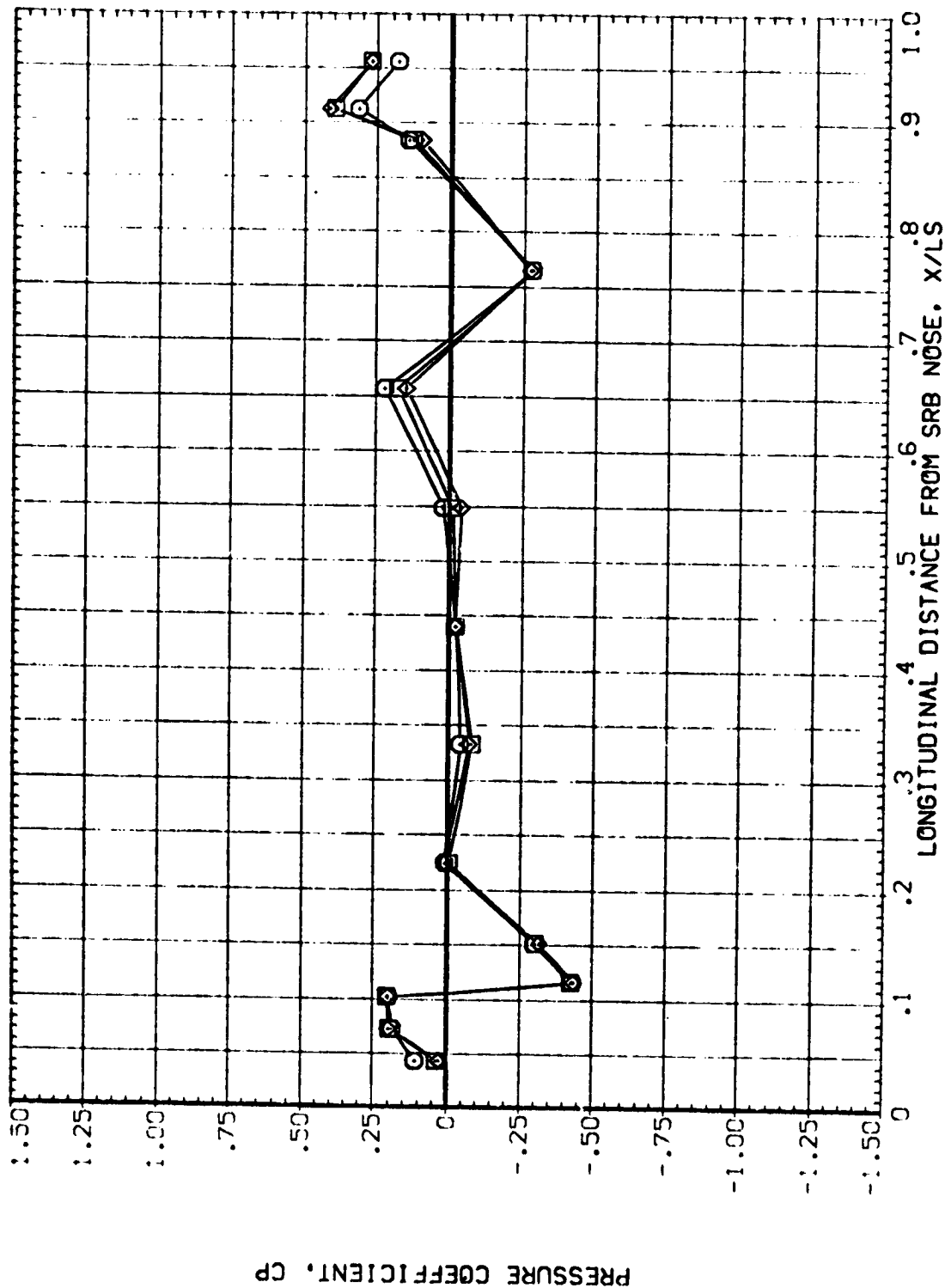
.000	CONFIG	90.000
.140	RUDDER	.000
.000	GRB'NC	.500

305.
300.
90.006



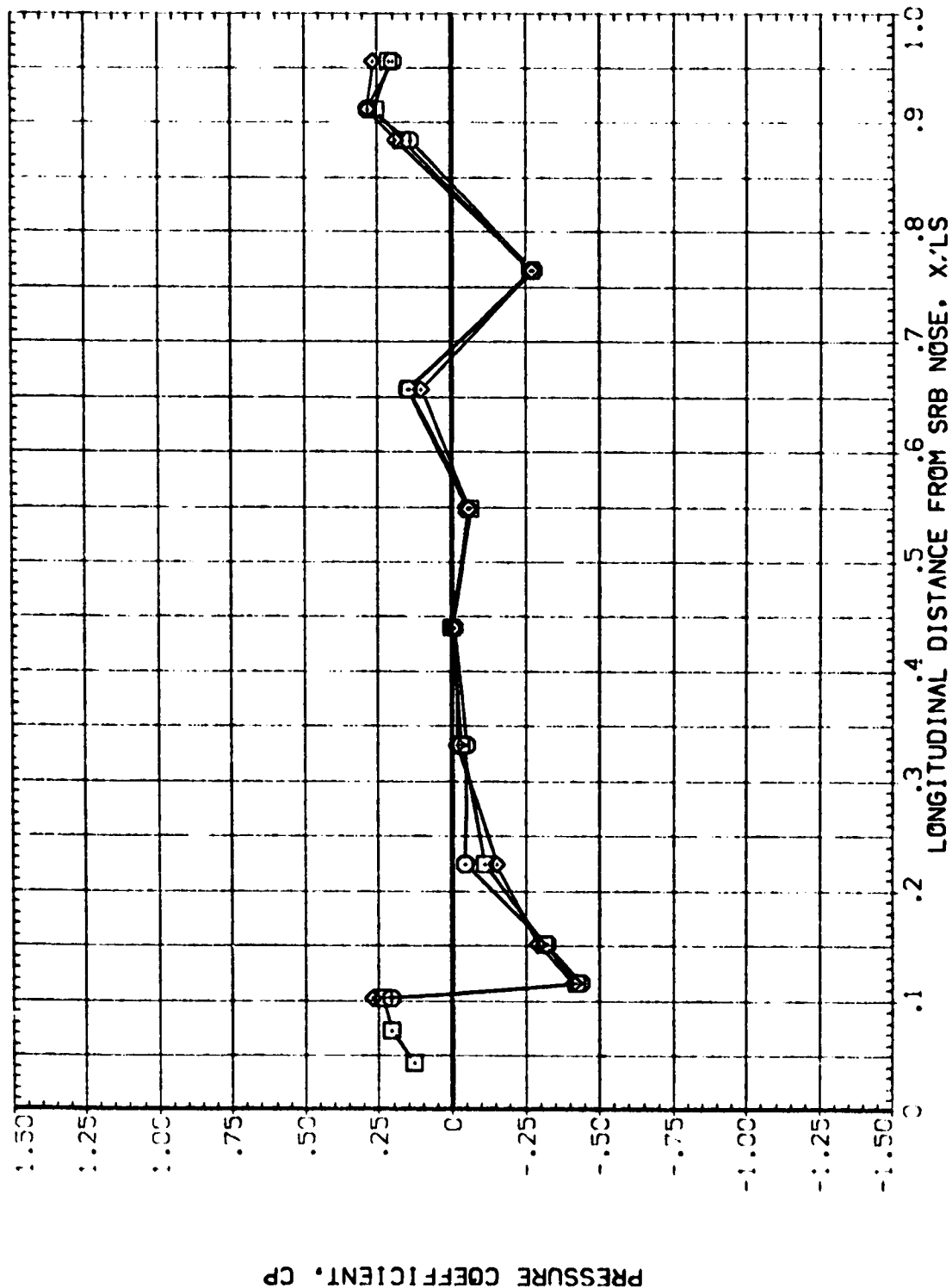
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

SYMBOL	P-41	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	6.198	SG. IN.	ALPHA	5.000	CONF. G	90.000	
□	.000	.000	1.250	LREF	5.313	IN.	DELTA Z	.140	RCDER	.000	
◇	22.500			BREF	5.313	IN.	X-SRB	.000	USB'NC	.500	
	45.000			XMRP	2.548	N.					
				YMRP	.972	N.					
				ZMRP	.000	N.					



MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

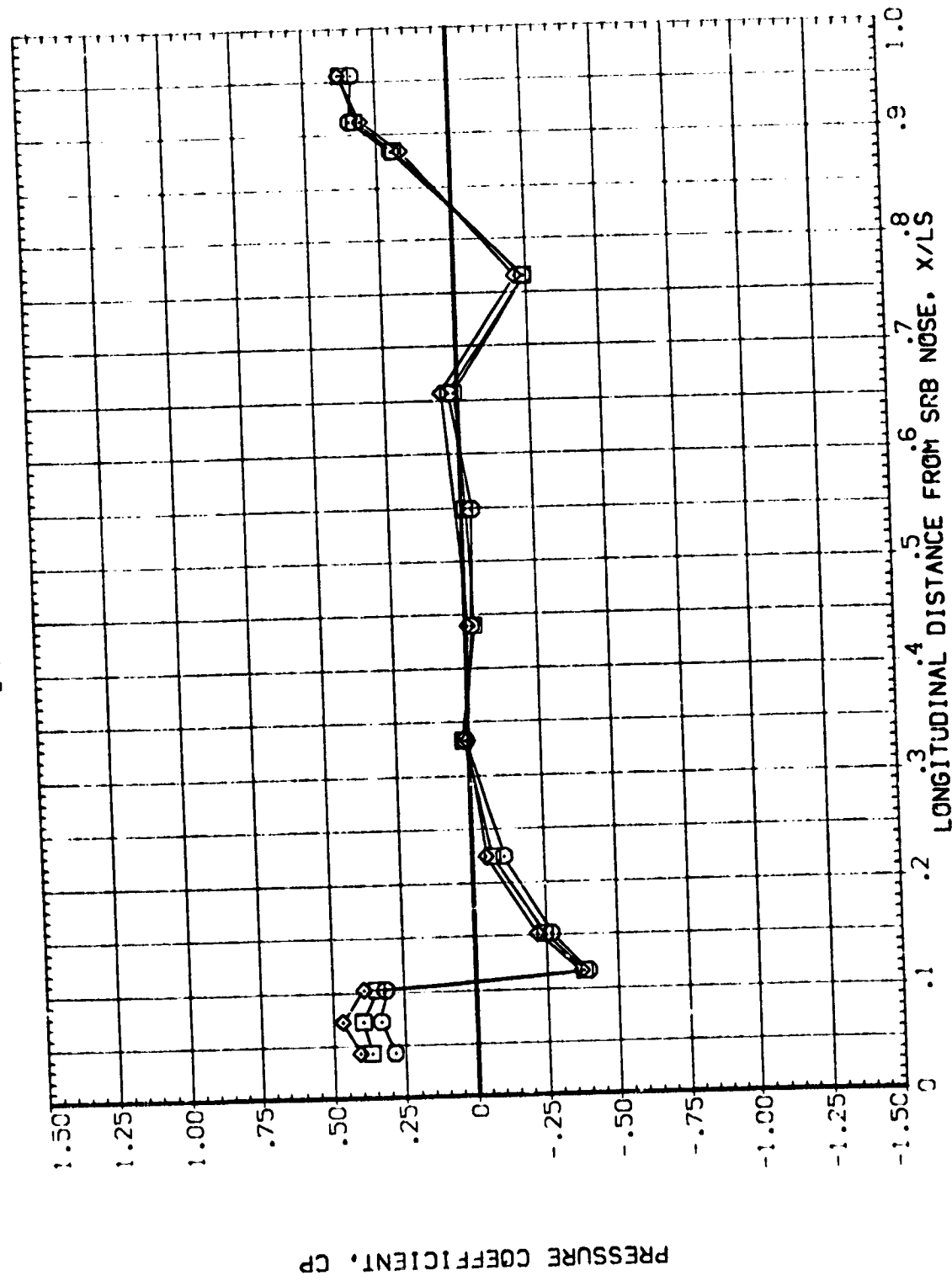
SYMBOL	DATA		REFERENCE DATA		PARAMETRIC VALUES			
	BETA	MACH	SREF	SO. IN.	ALPHA	5.000	CONFIG	90.000
□	.000	1.250	LREF	IN.	DELTAZ	.140	RUDDER	.000
◇			BREF	IN.	X-SRB	.000	ORBIT	.500
			XREF	IN.				
			YREF	IN.				
			ZREF	IN.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

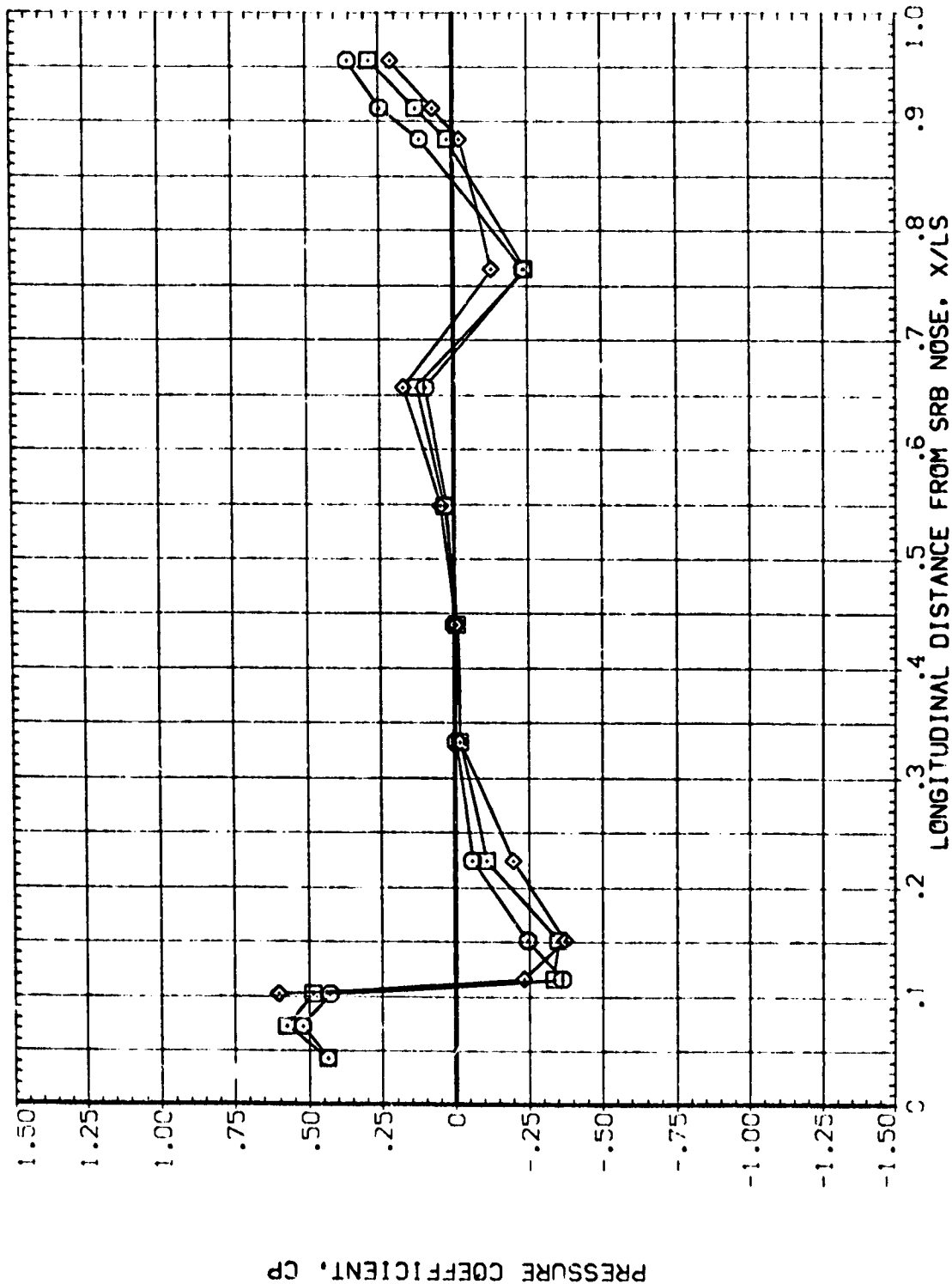
SYMBOL		REFERENCE DATA		PARAMETRIC VALUES	
PHI	BETA	MACH	SRF	ALPHA	CONF
135,000	.000	1.250	6.138	DELTA Z	5.000
157,500			5.313	X-SRB	.140
180,000			3.213		.000
			2.549		.000
			.972		.000
			.000		.000
					.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

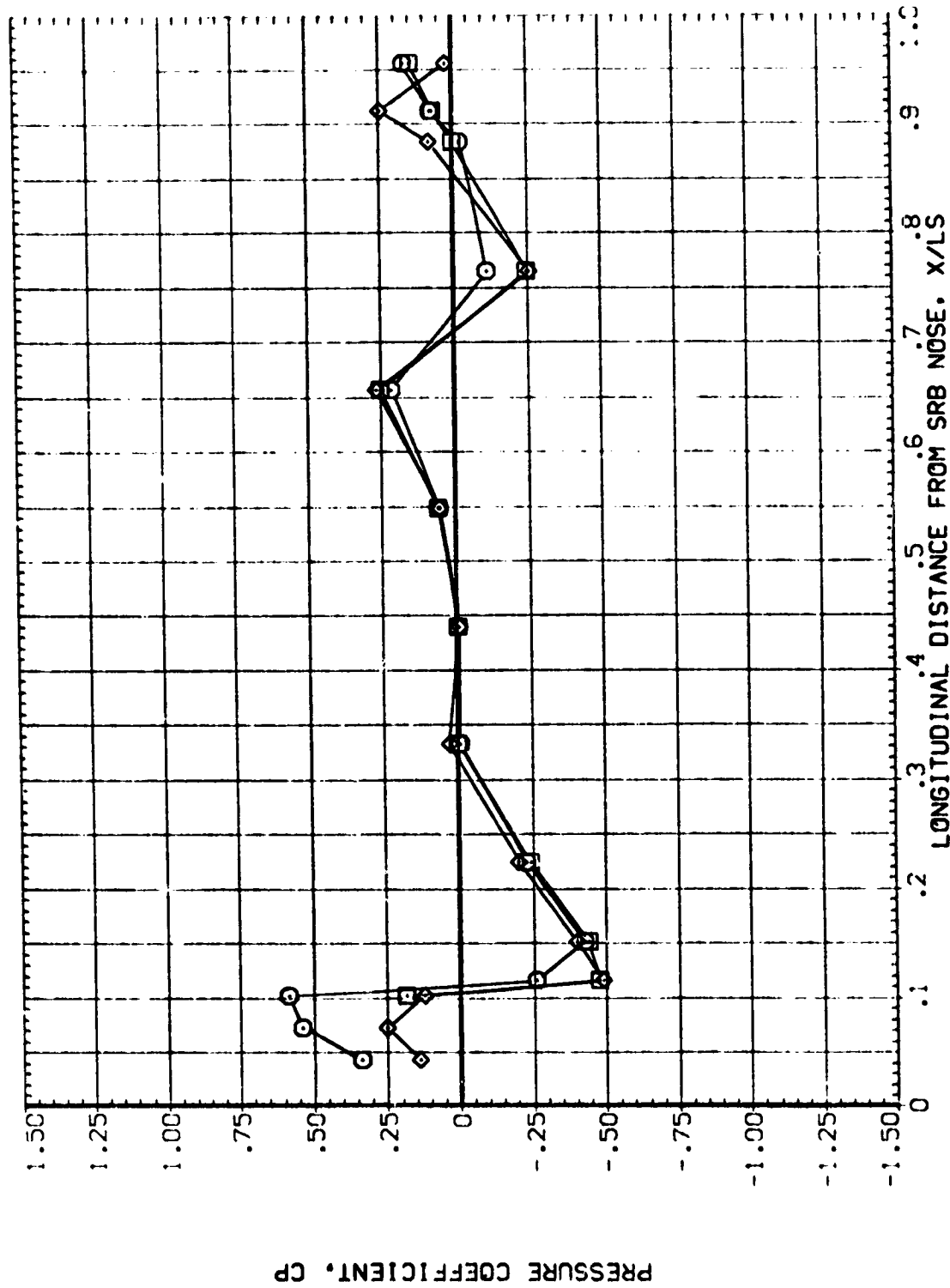
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	SC IN.	ALPHA DELTA Z	CONF IG	90.000
○	202.500	.000	1.250	5.313	5.313	5.313	2.549	.000	.140	RUDDER	.000
□	225.000			2.549	2.549	2.549	.872	.000	.000	ORBITAL	.500
◇	247.500			.000	.000	.000	.000	.000	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

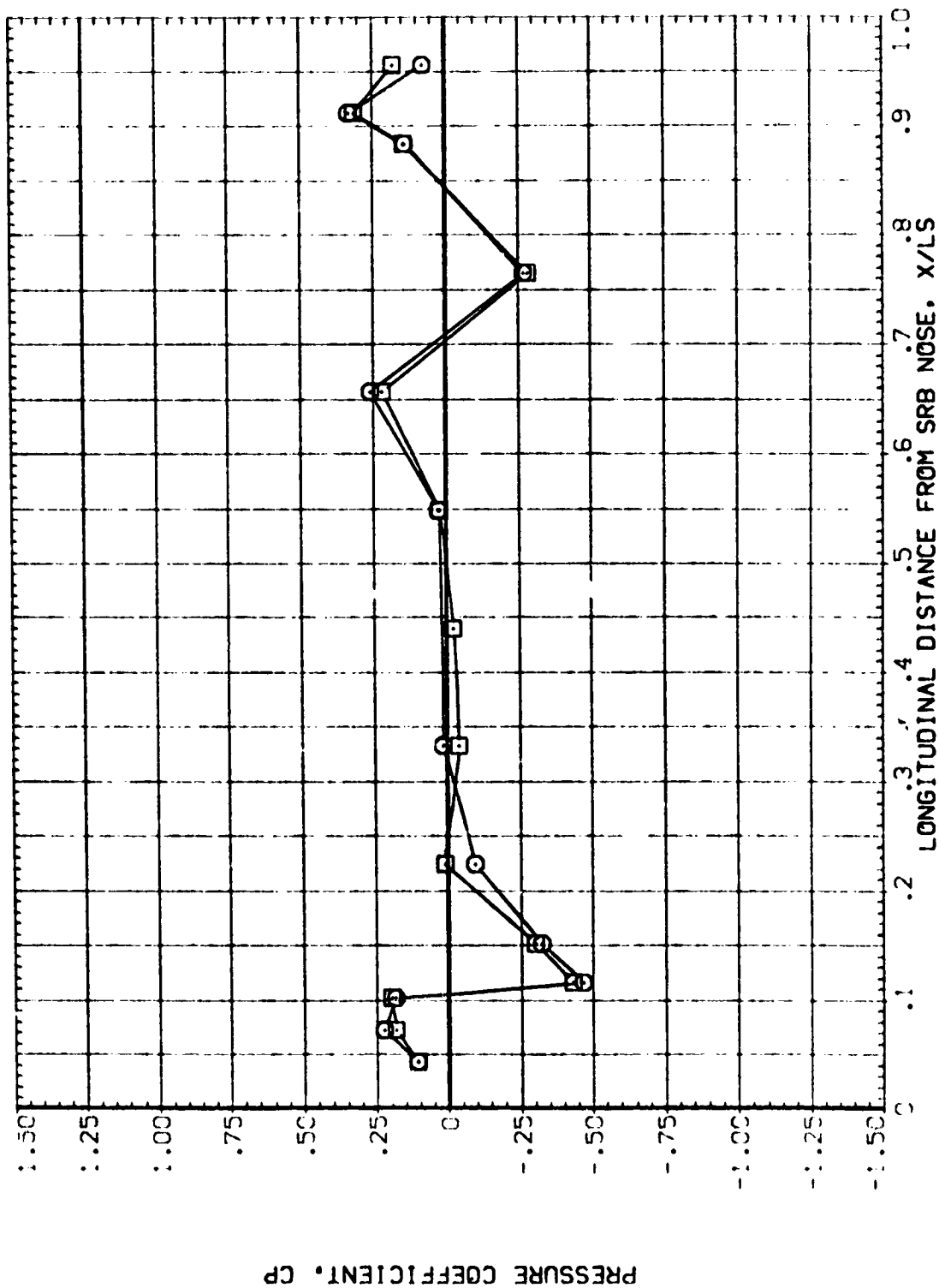
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		ALPHA	PARAMETRIC VALUES	
				SREF	SO IN.		CONFIS	
□	270.000	.000	1.250	5.313	2.777	DELTA Z	.140	RUDER
□	292.500			5.313	2.777	X-SRB	.000	D981NC
◇	315.000			2.549	2.777			
				.972				
				.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

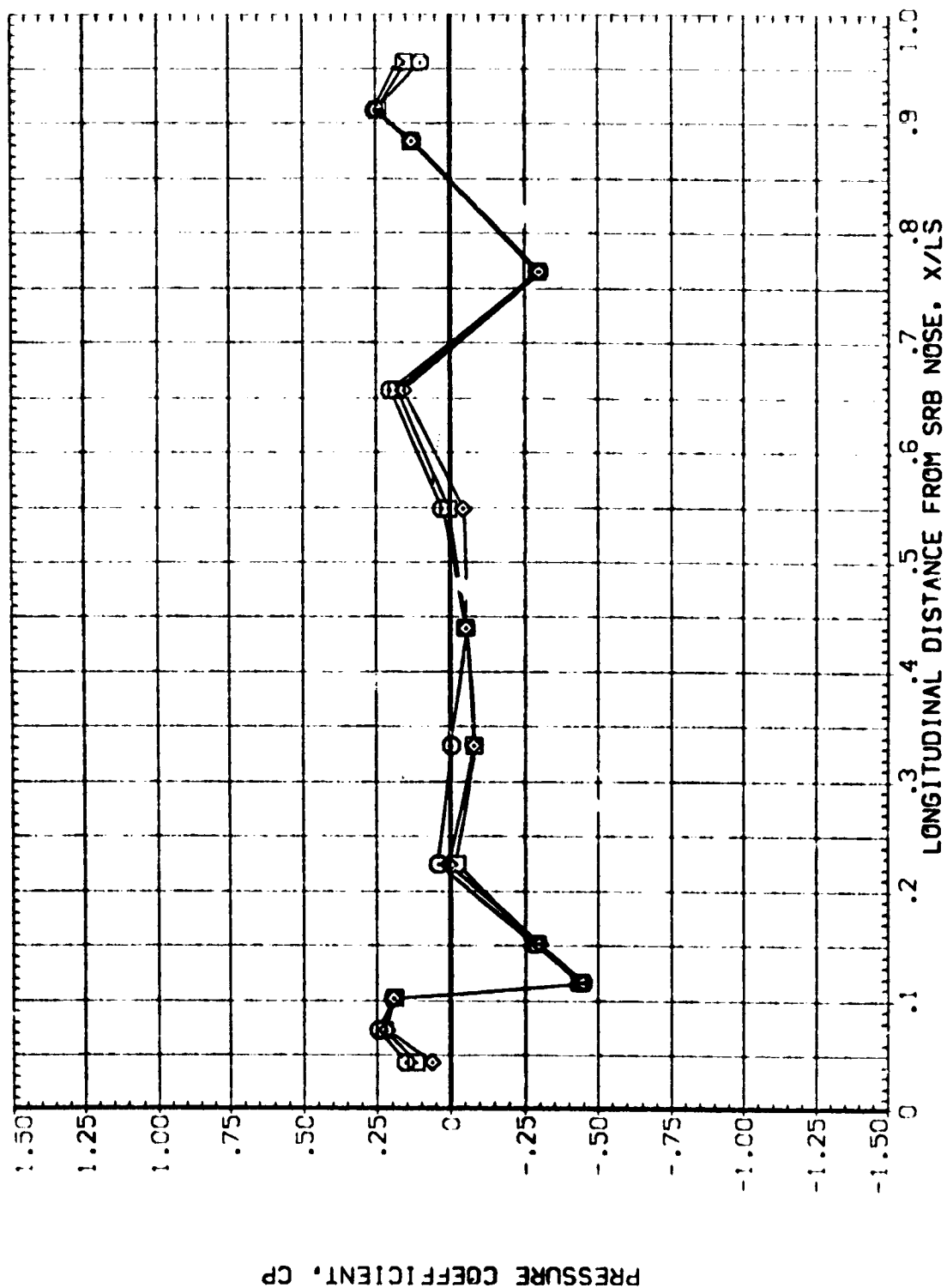
SYMBOL	P41	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	DELTA Z	CONF IG	SCAL
□	337.500	.000	1.250	5.198	5.313	5.313	2.549	.143	.000	R-RODER	.000
□	360.000			.972	.000			.000	.000	099INC	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

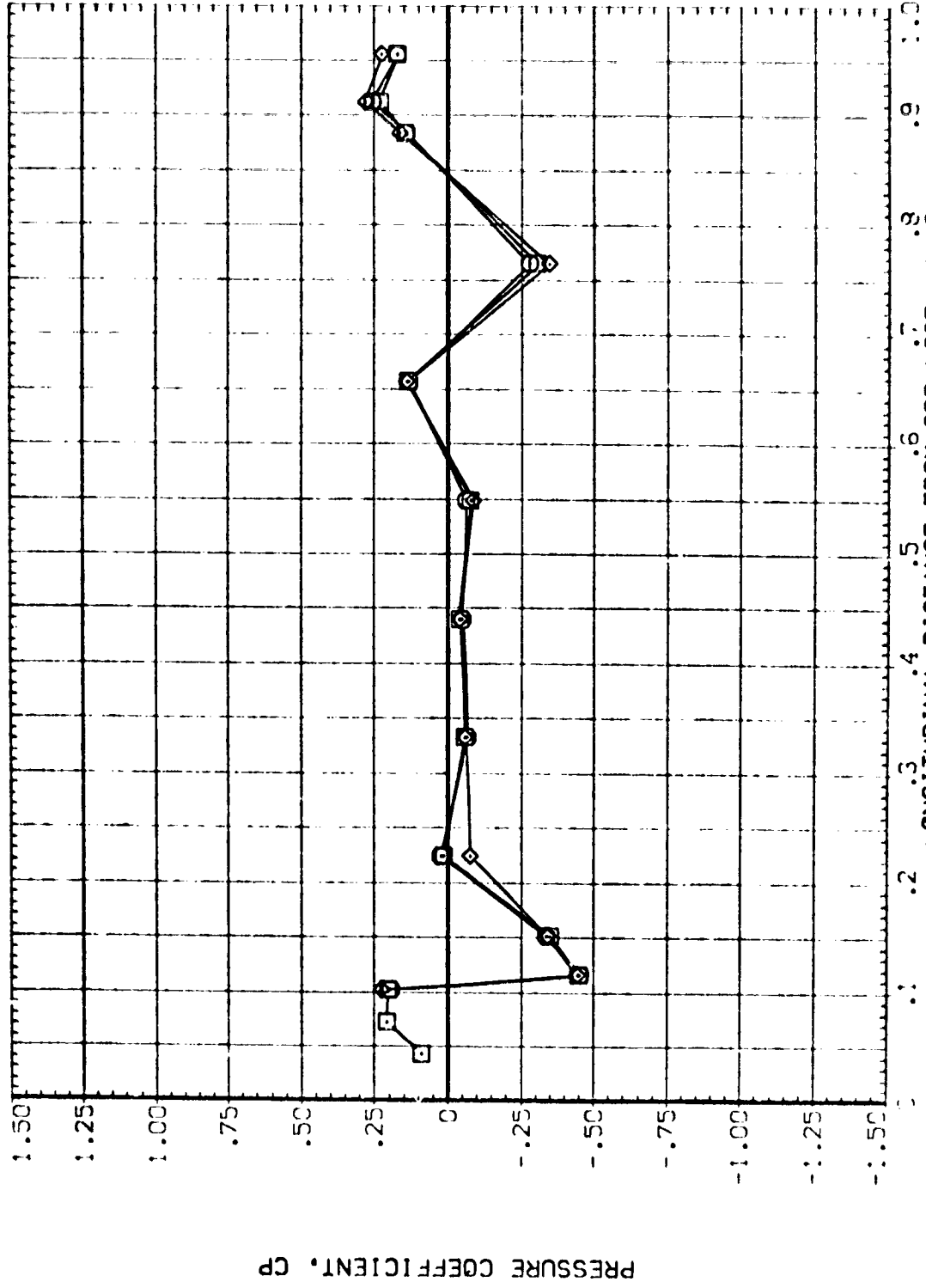
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LRREF	BREF	XMRP	YMRP	ZMRP	SCALING	ALPHA
◇	.000	4.000	1.250	6.198	5.313	5.313	2.549	.972	.000	5.000	CONFIG
◇	22.500									.140	RUDER
◇	45.000									.000	SRB INC



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SIMBOL	PHI	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
□	67.503	4.000	1.250	SREF 6.198	5.000 CONFIS 90.000
◇	90.000			LREF 5.313	.140 RUDDER .000
◇	112.500			BREF 5.313	.000 ORBINC .500
				XMRP 2.549	
				VMRP .972	
				ZMRP .000	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

S, M, B, C, ...

144
135.000
157.500
180.000

BETA	MACH
4.000	1.250

00012
00011
00010
13008
13007
13005

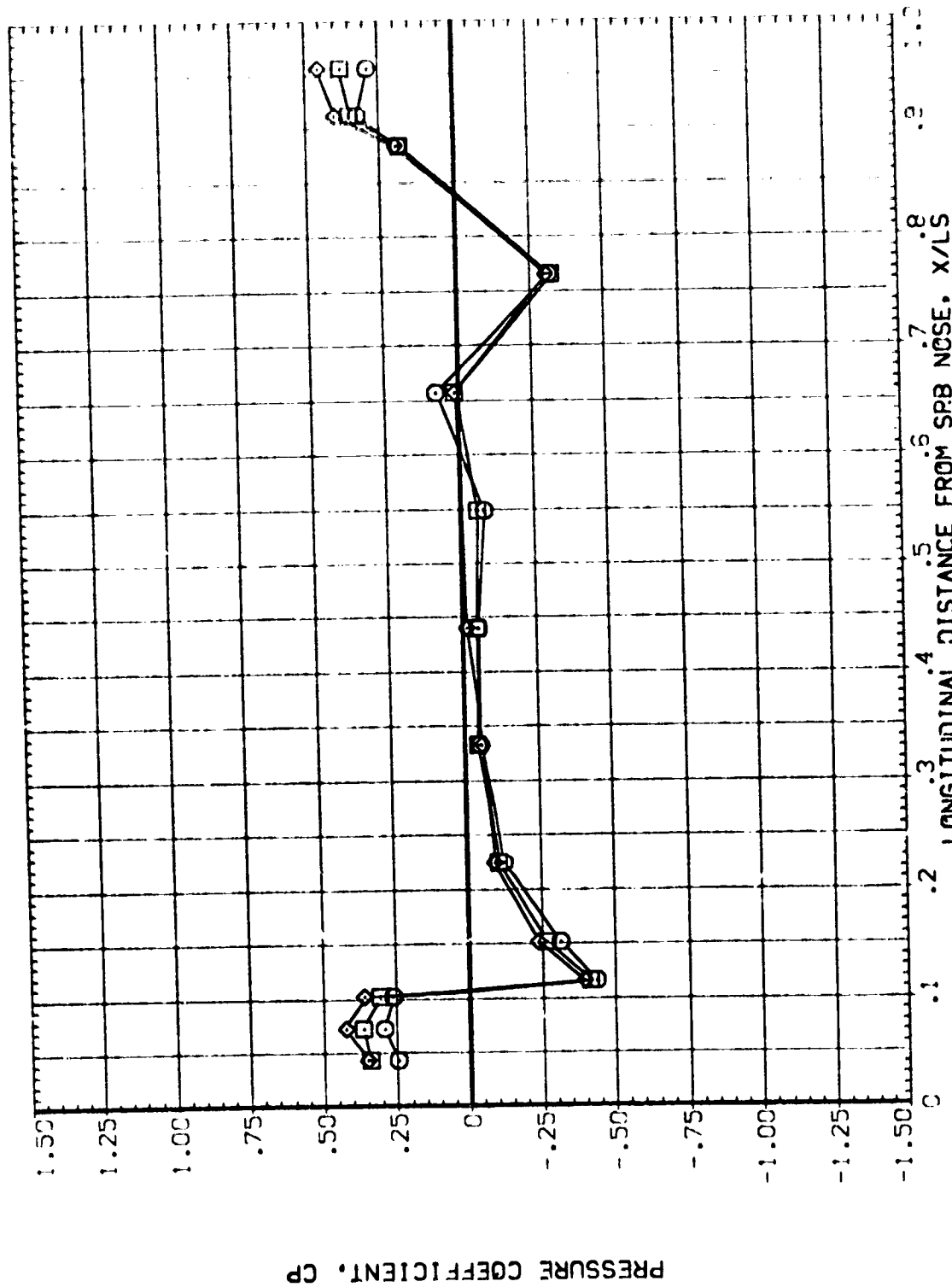
DATA
5.98
5.313
5.313
2.549
2.012
1.000

z
gzzzzz

ALPHA
DELTA Z
X-598

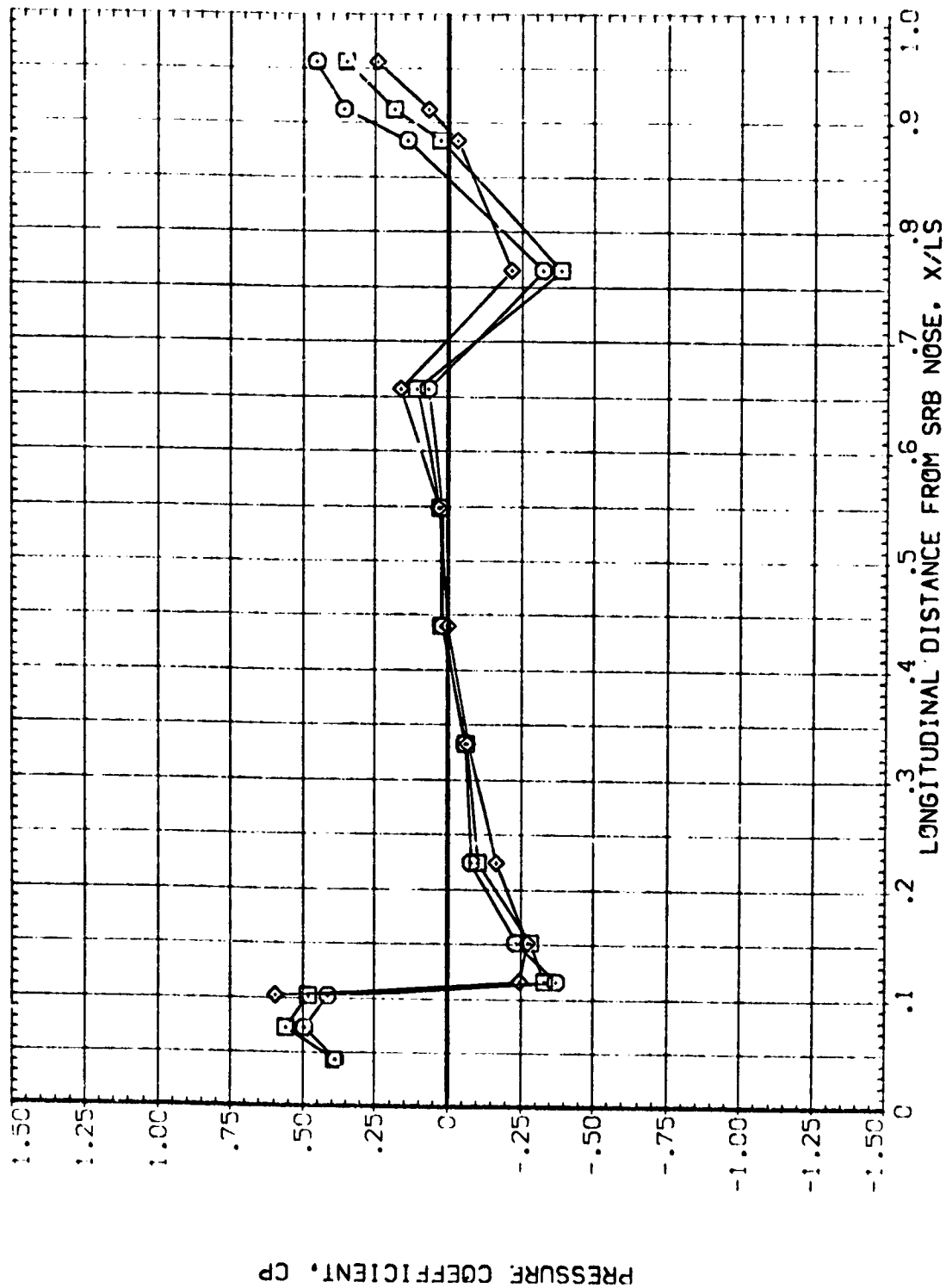
PARAMETRIC VALUES	
5.000	CONFID
.140	PROB
.000	PROB12

3000



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

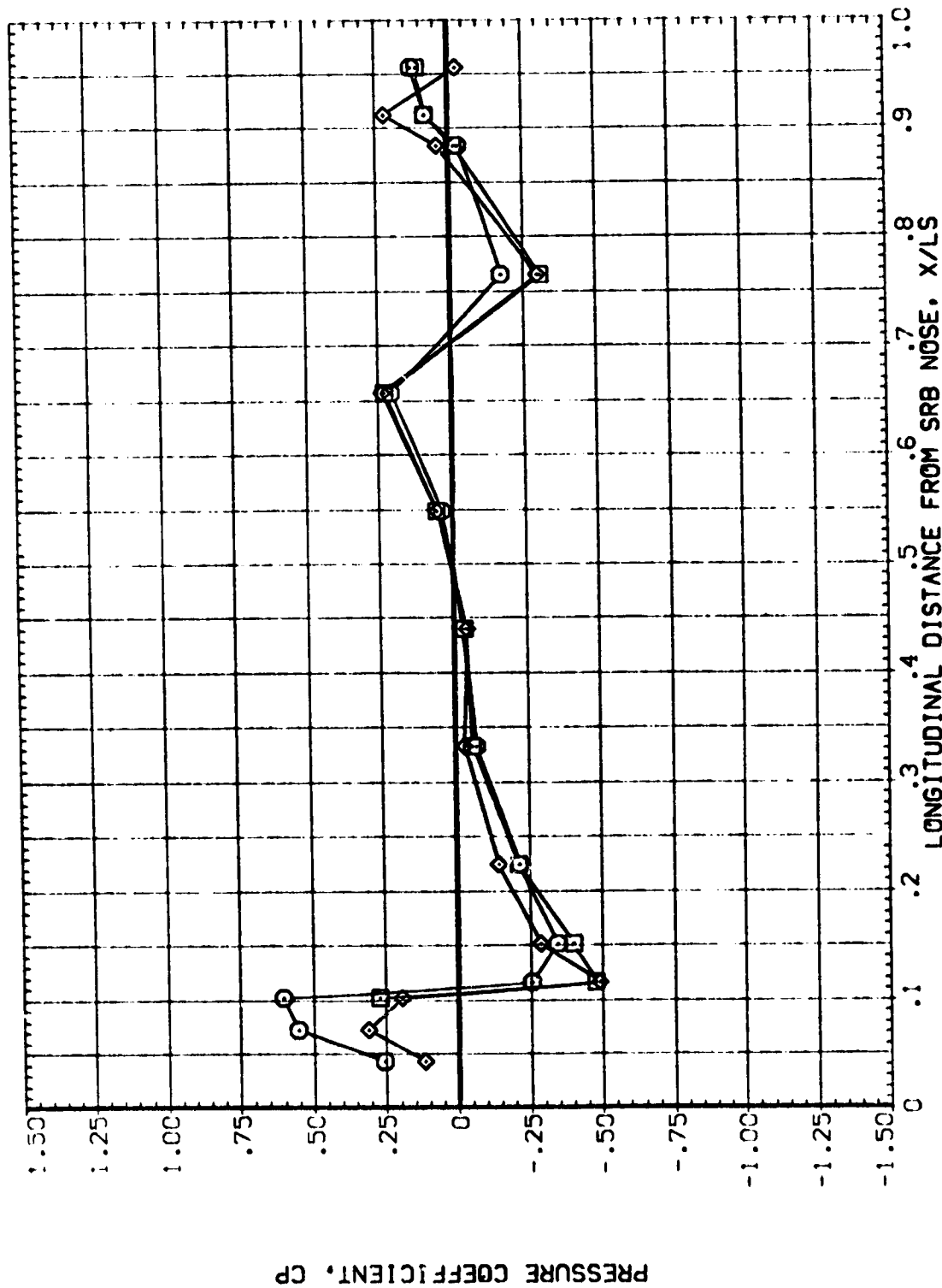
SYMBOL	PH-I	BETA	MACH	REFERENCE DATA	90 IN.	ALPHA	PARAMETRIC VALUES
○	202.500	4.000	1.250	SREF	6.198	DELTA Z	5.000 CONF'G
□	225.000			LREF	5.313		.140 R-CCR
◇	247.500			BREF	5.313		.000 DRBINC
				XREF	2.549		
				YREF	.972		
				ZREF	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

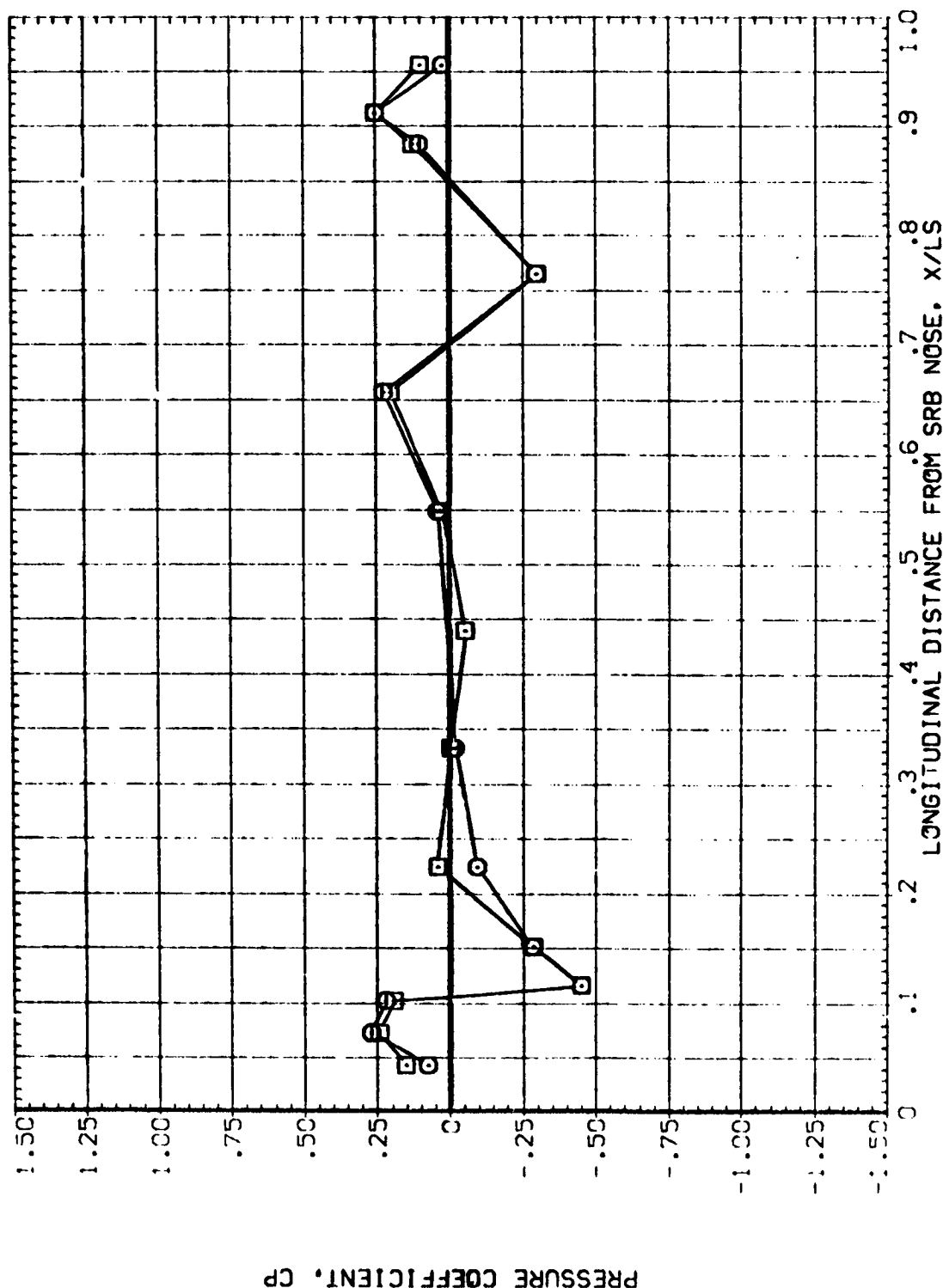
SYMBOL	F41	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	5.000	CONF IG
◇	270.000	4.000	1.250	LREF	5.313	N.	DELTA Z	.140	RUDDER
◇	292.500			BREF	5.313	N.	X-SRB	.000	ORBITAL
◇	315.000			XMRP	2.549	N.			
				YMRP	.972	N.			
				ZMRP	.000	N.			
									90.000
									.000
									.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

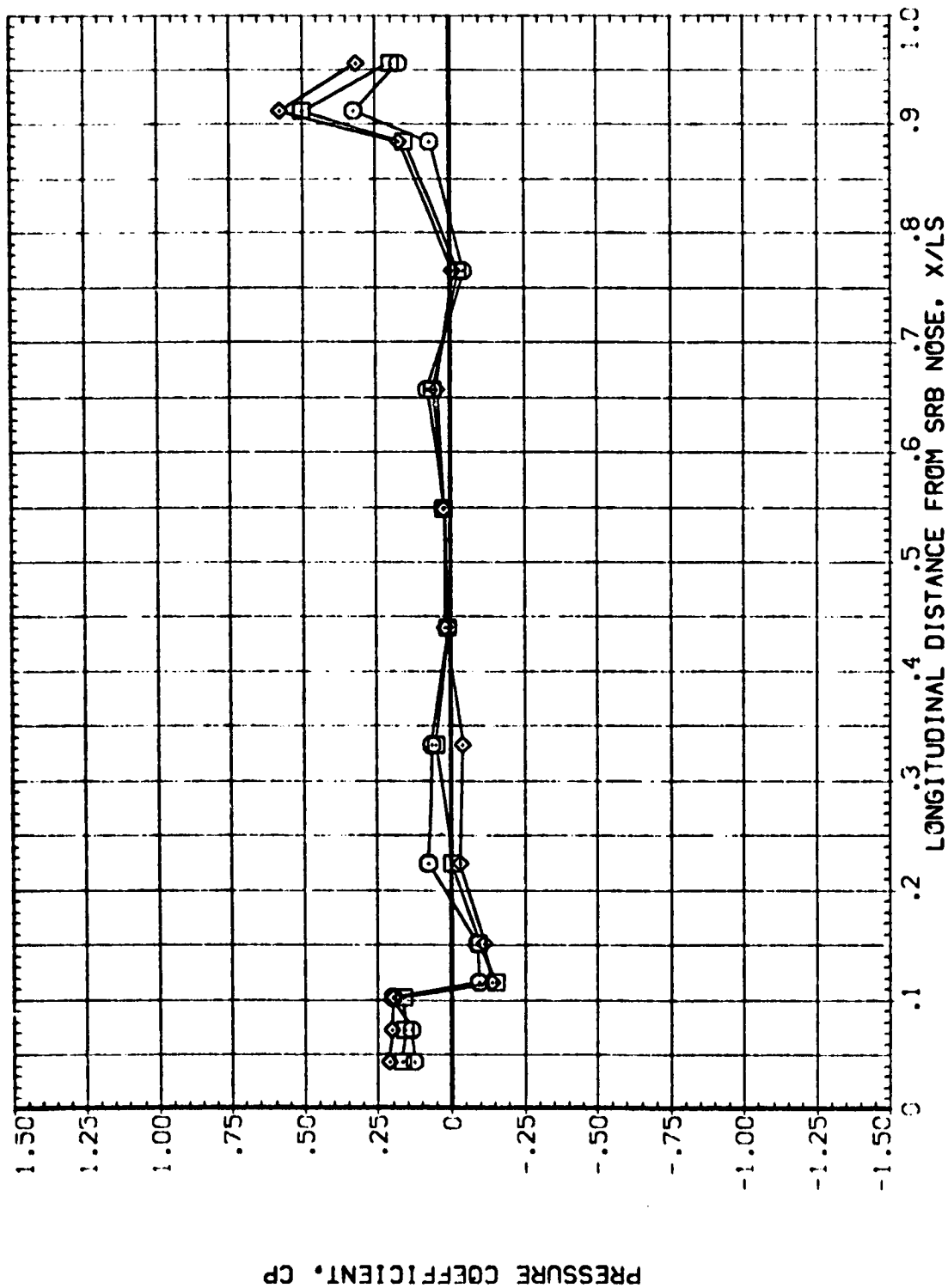
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES				
				SREF	LREF	BREF	XMRP	ALPHA	DELTAZ	CONF IG	RUDDER	CRBINC
○	337.500	4.000	1.250	6.198	5.313	5.313	2.549	50. IN.	X-SRB	5.000	.140	90.000
□	360.000						.572	IN.		.000	.000	.500
							.000	IN.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32FJ T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

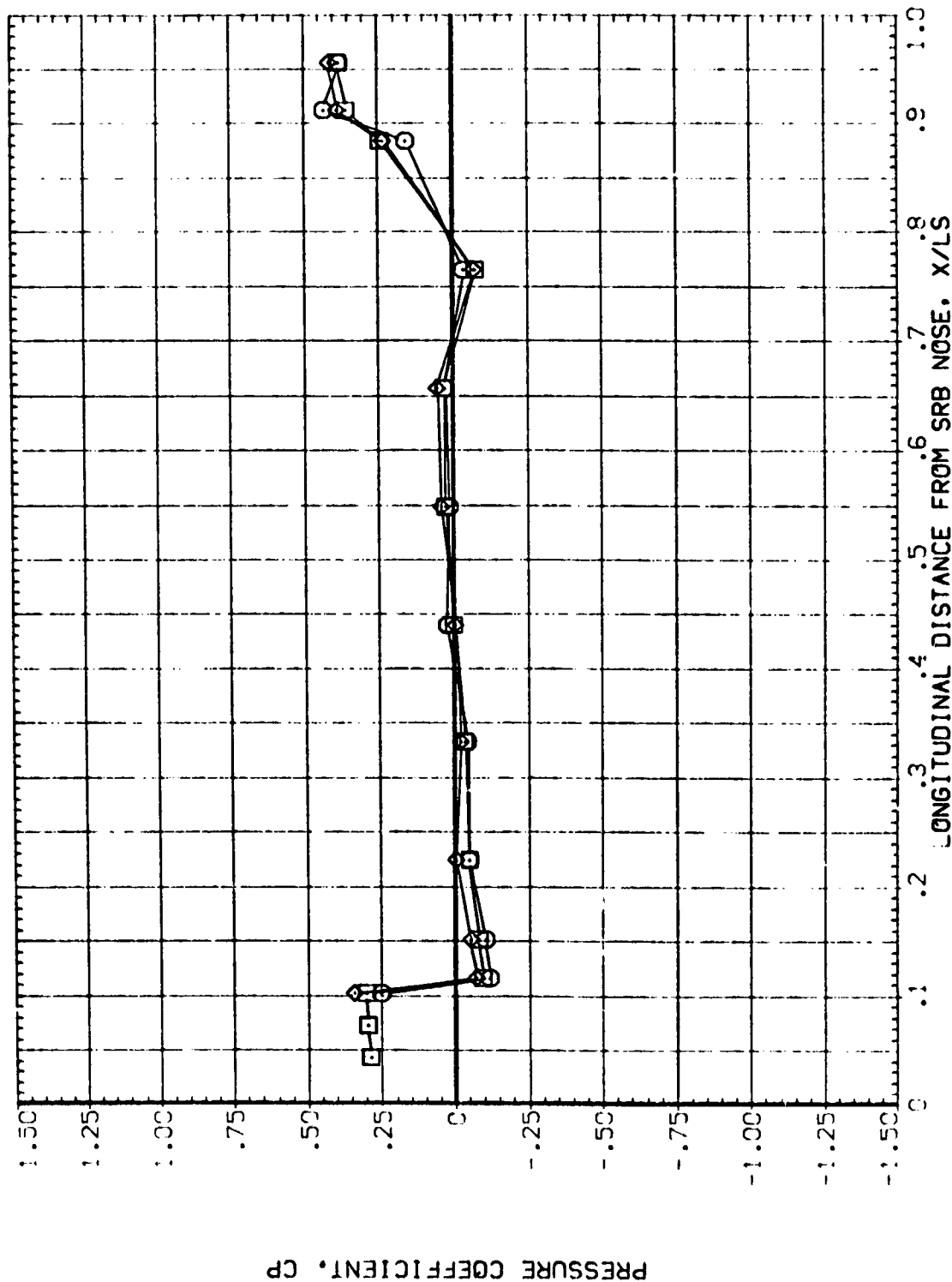
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SG. IN.	ALPHA	CONFIG	
○	.000	-4.000	1.960	6.198	5.313	5.313	2.549	IN.	DELTA Z	.000	50.000
□	22.500							IN.	X-SRB	.140	.000
◇	45.000							IN.		.000	.500
								IN.			
								IN.			
								IN.			
								IN.			
								IN.			
								IN.			
								IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

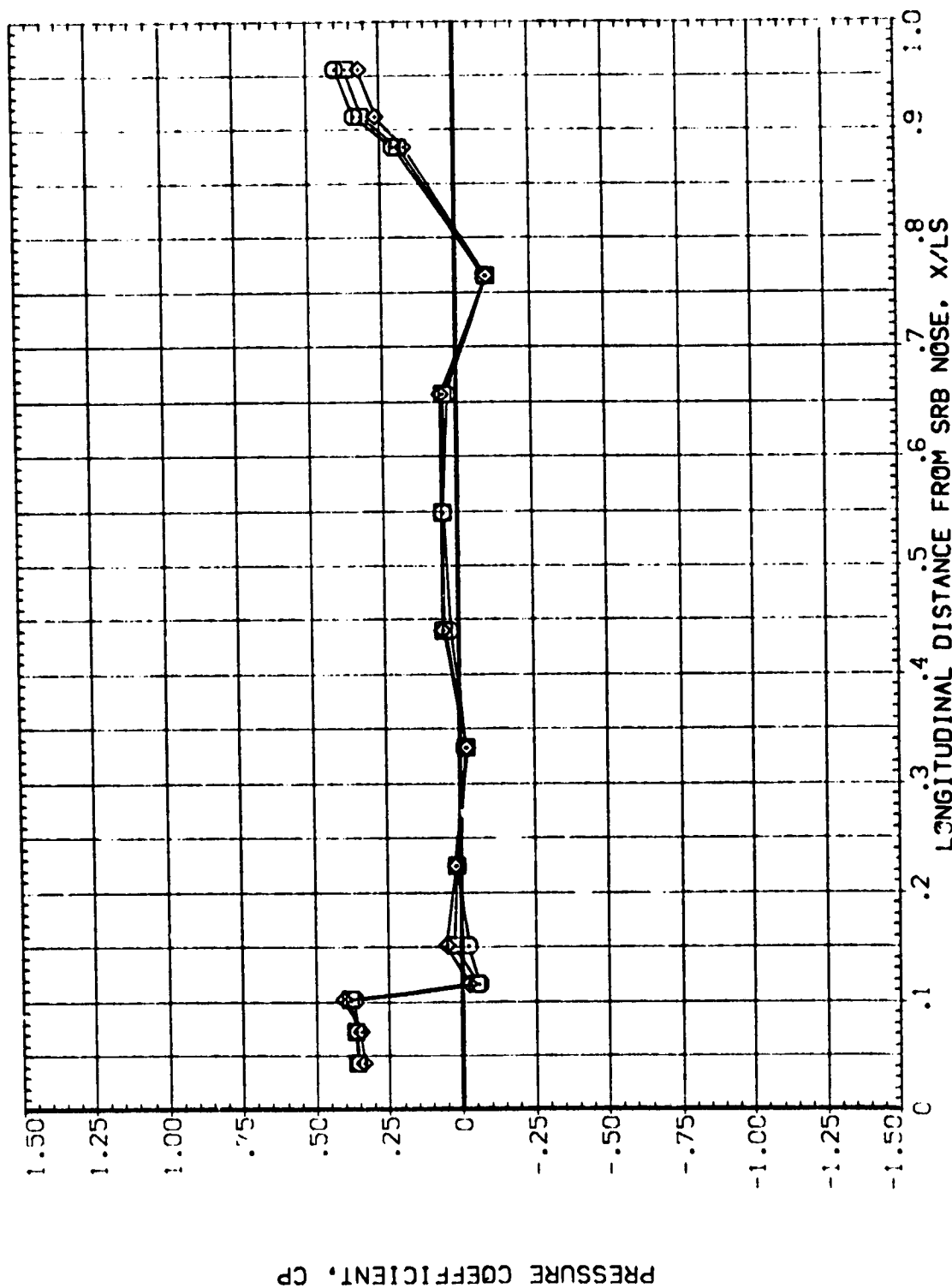
SYMBOL	P-HI		BETA	MALH	REFERENCE DATA				PARAMETRIC VALUES			
	67.500	90.000	-4.000	1.960	SREF	LREF	BREF	XMRP	SG IN.	ALPHA	CONFIS	90.000
◇	112.500						5.313			DELTA Z	R-ORDER	.000
□							2.549			X-SRB	ORIGIN	.500
○							.972					
							.000					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T3 S3/2 S3/2 03 SRM BOOSTER (A82S03)

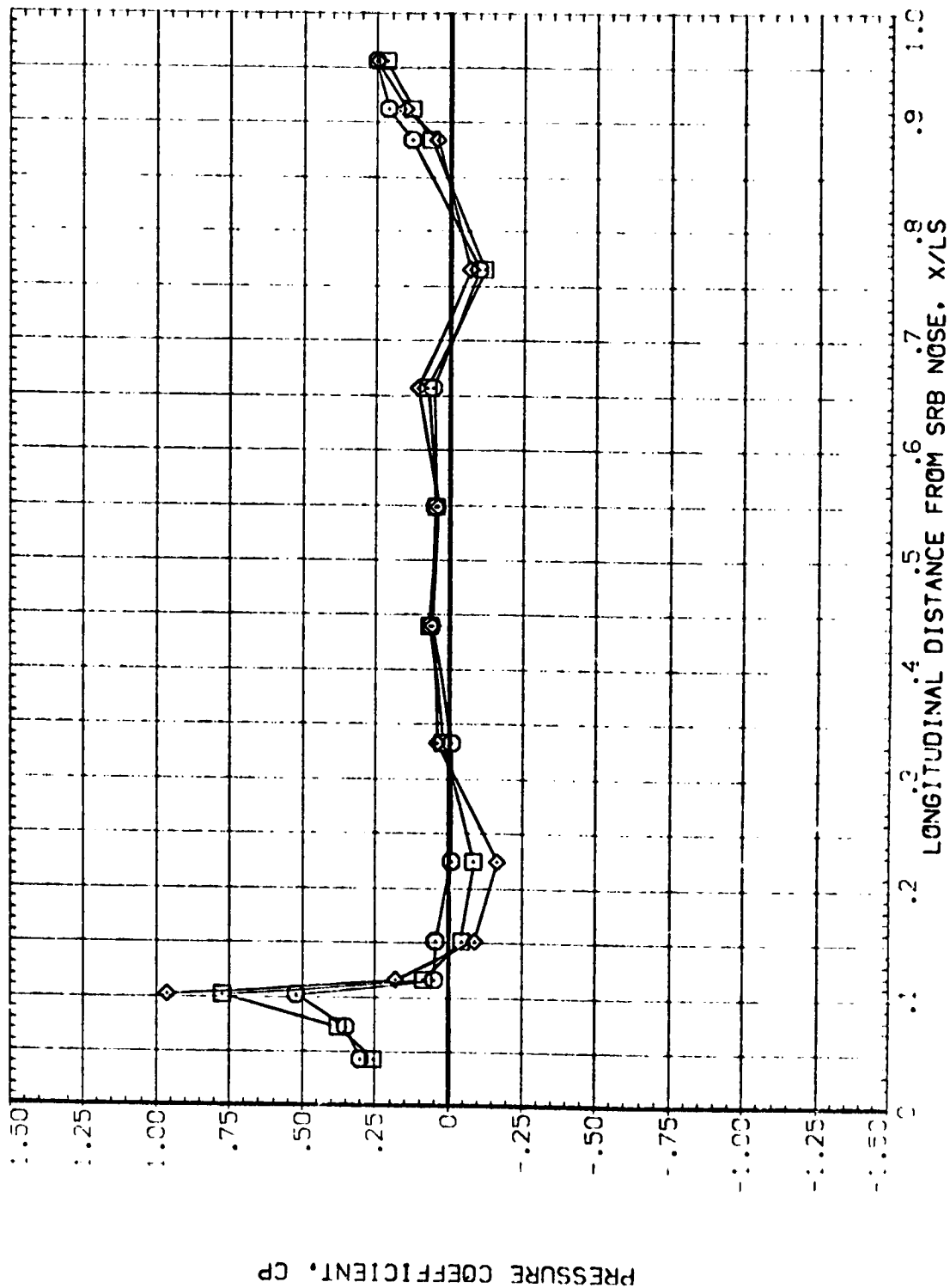
SYMBOL	P41	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SQ.IN.	ALPHA	CONF IG
○	135.000	-4.000	1.960	5.198	IN.	DELTA Z	RUDDER
□	157.500			5.313	IN.	X-SRB	.000
◇	180.000			2.545	IN.		.000
				2.545	IN.		.500
				.972	IN.		
				.000	IN.		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

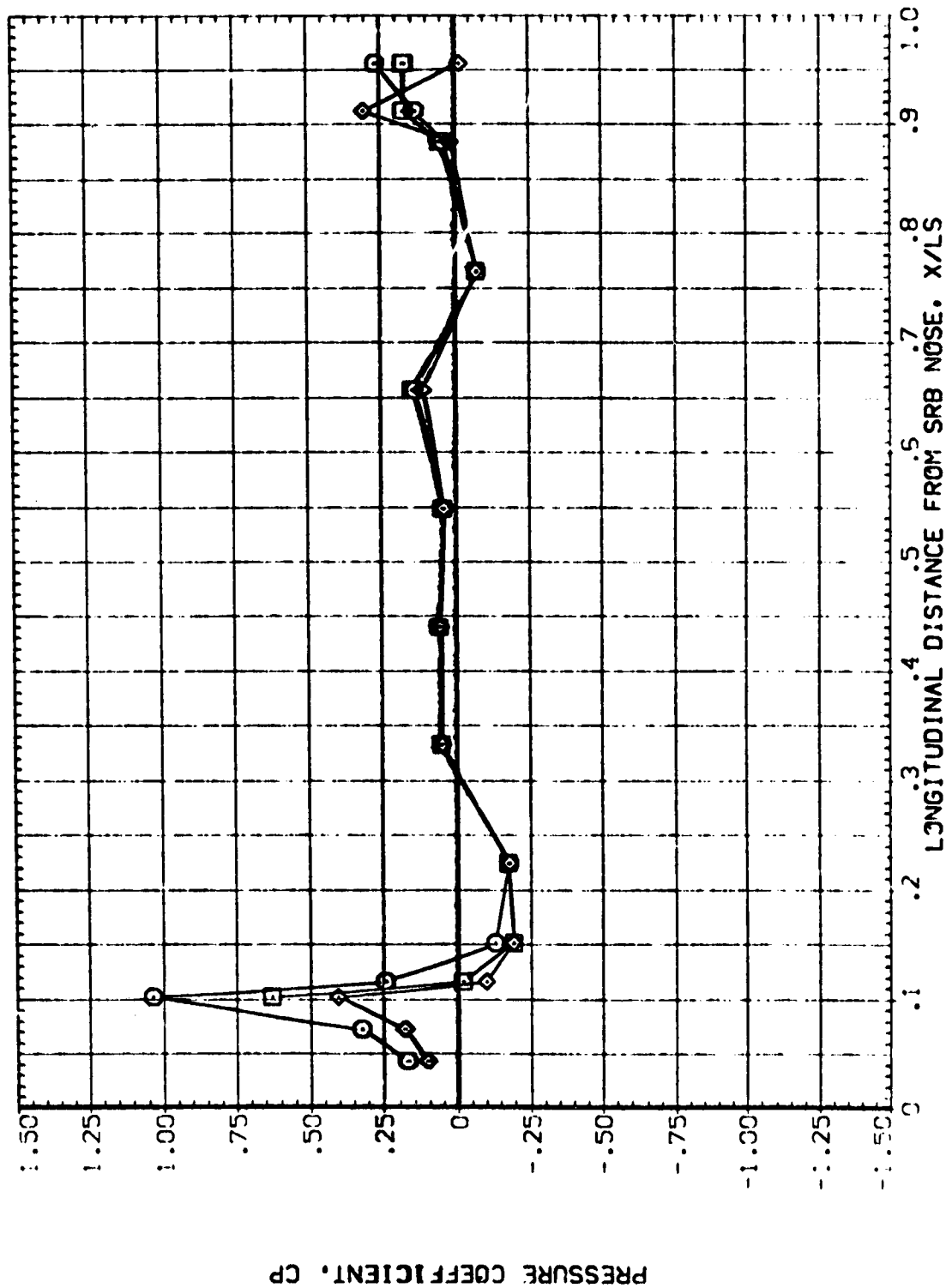
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES				
				SREF	6.198	50. IN.	ALPHA	5.000	CONF IG	90.000		
				LREF	5.313	IN.	DELTA Z	.140	RUTTER	.000		
				BREF	5.313	IN.	X-SRB	.000	ORR INC	.500		
				XMRP	2.549	IN.						
				YMRP	.972	IN.						
				ZMRP	.000	IN.						



MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

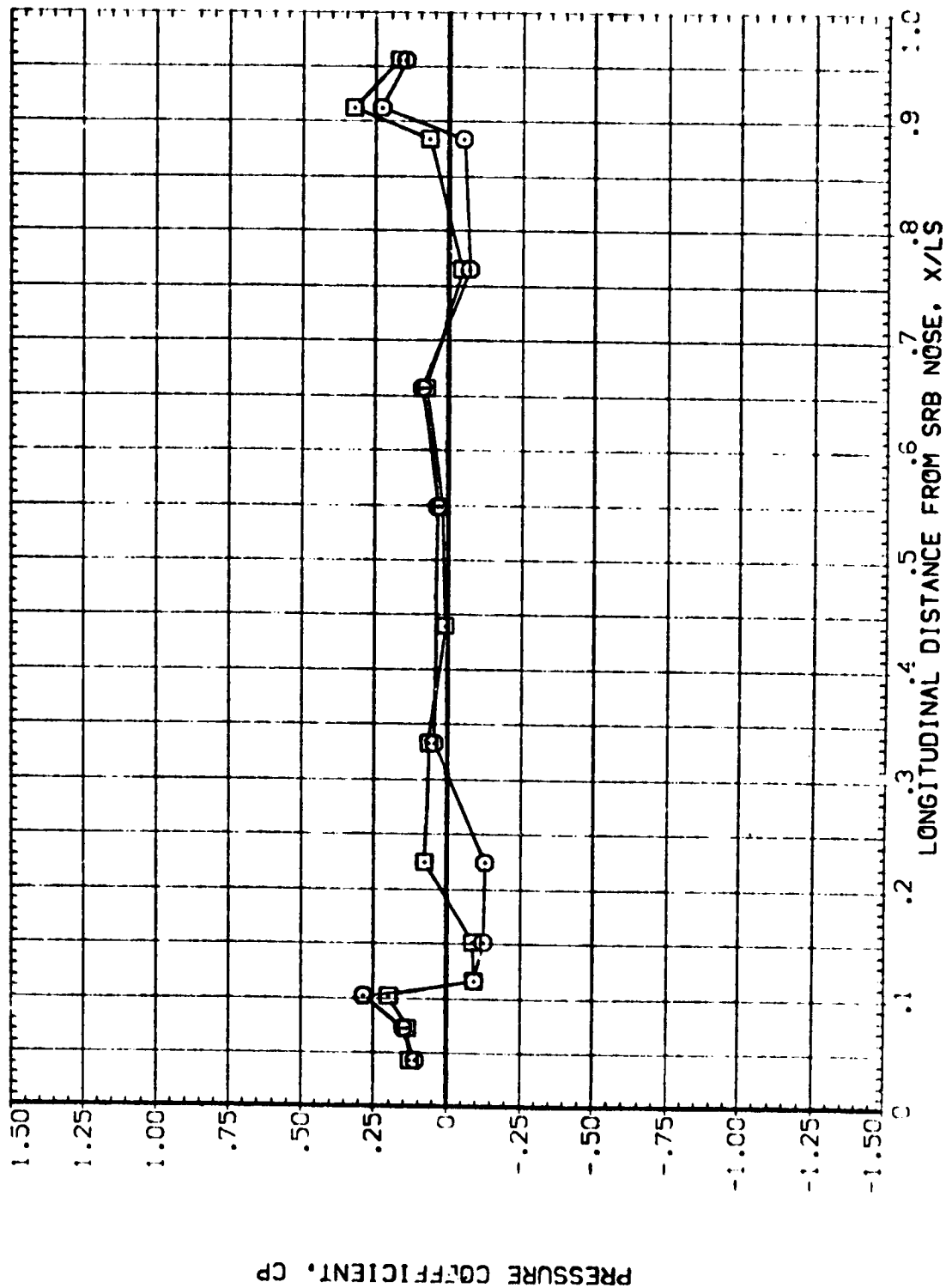
SYMBOL	PHI	BETA	MACH	REFERENCE DATA			PARAMETRIC VALUES			
				SREF	LREF	BREF	ALPHA	DELTAZ	CONF IG	
○	270.000	-4.000	1.960	6.198	5.313	5.313	50.1 IN.		5.000	CONF IG
□	292.500			2.549			.140		.140	RUDDER
◇	315.000			.972			X-SRB		.000	ORBITAL
				.000					.500	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

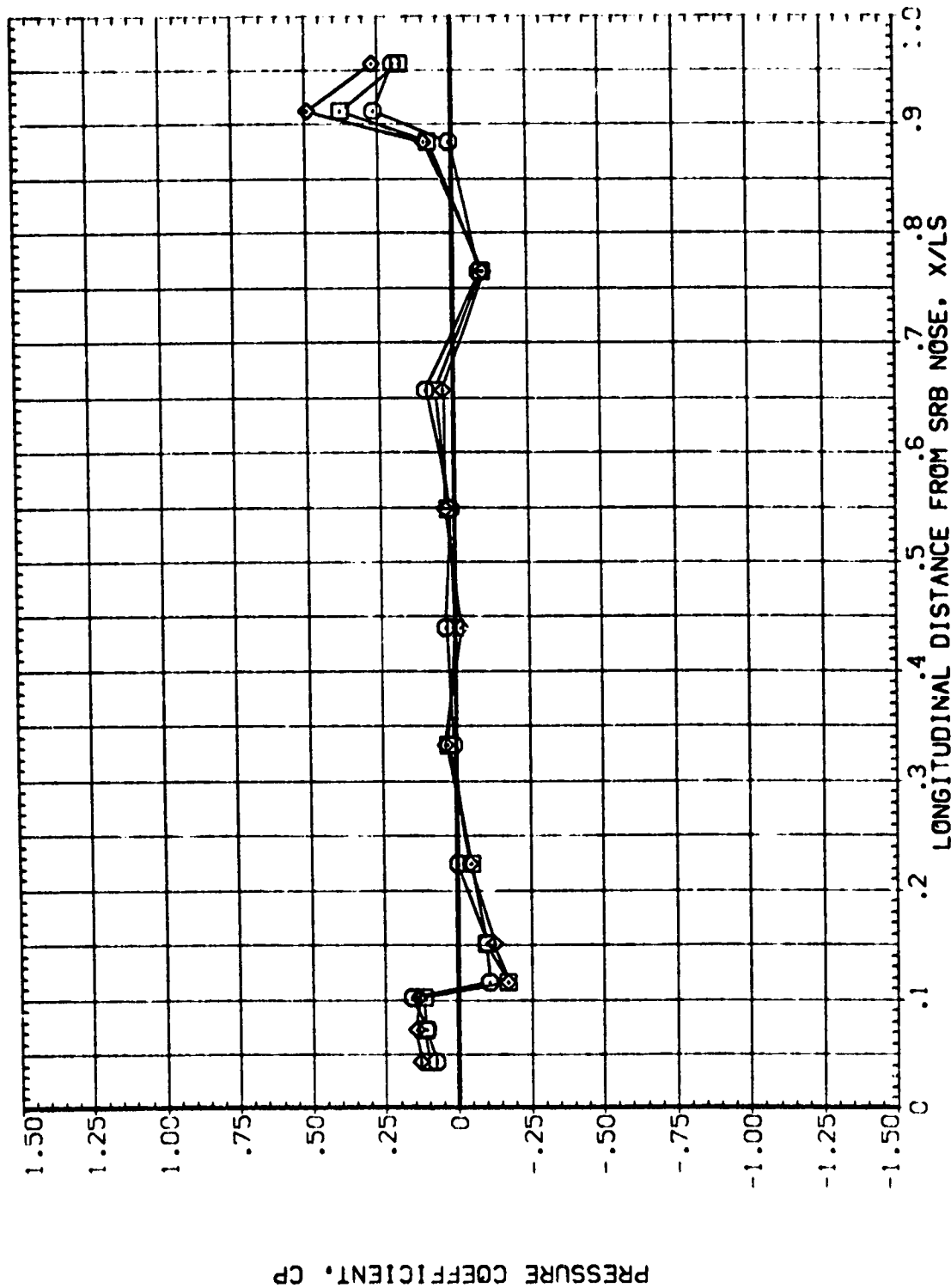
SYMBOL	PHI	BETA	MACH	REFERENCE DATA						PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTAZ	CONFIG	RUDDER
○	337.500	-4.000	1.960	6.198	5.313	5.313	2.549	.972	.000	5.000	.140	CONFIG	90.000
□	360.000									.000	.000	RUDDER	.000
										.000	.000	CRBINC	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA						PARAMETRIC VALUES		
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTAZ	CLIFF
○	.000	.000	1.960	6.198	5.313	5.313	2.549	.572	.000	50.000	.140	.000
□	22.500											
◇	45.000											



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

(A82S03)

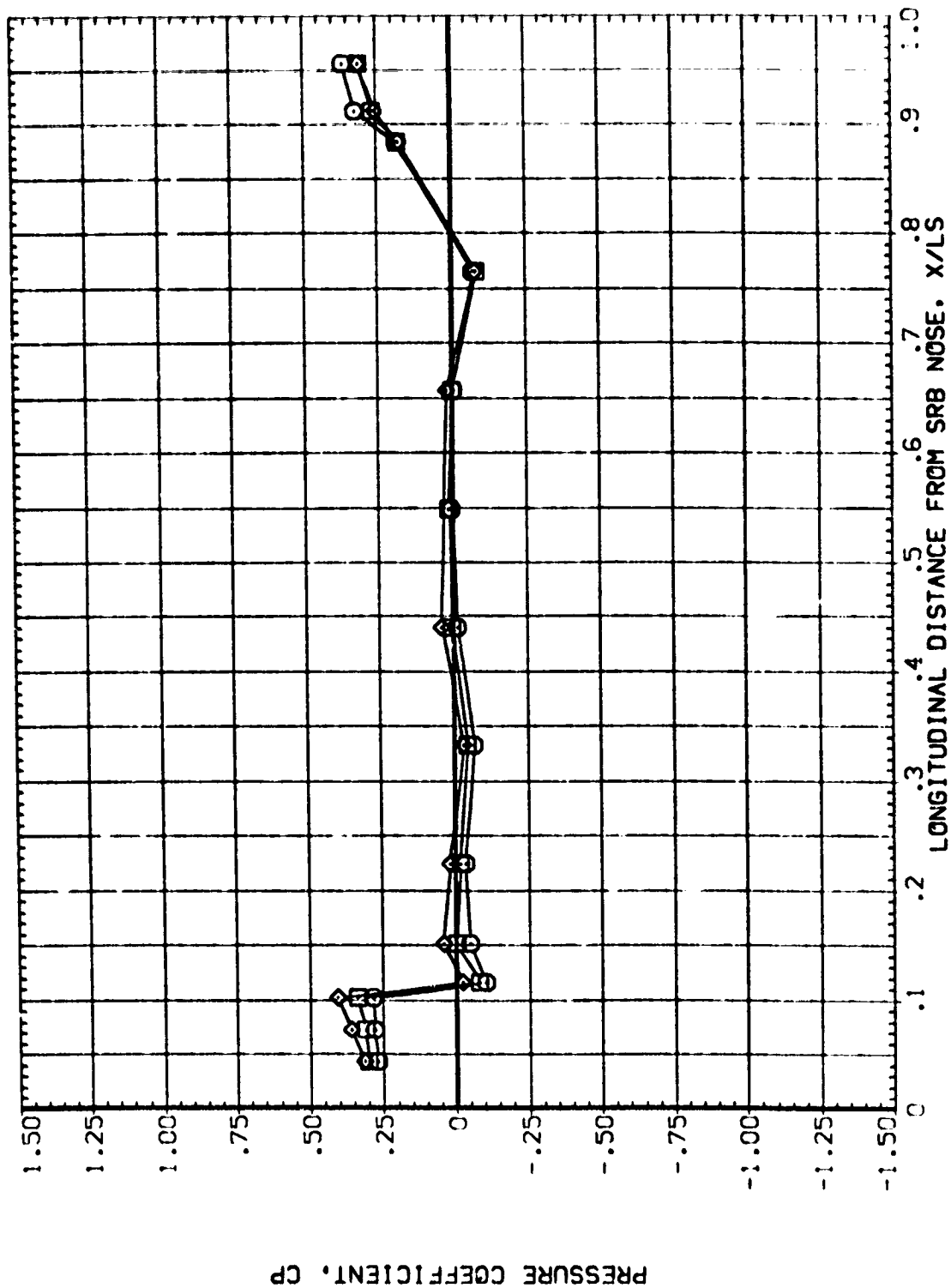
PARAMETRIC VALUES	
5.000	CONFIG
.140	RUDER
.000	DRBINC



19 S3/2 S3/2 03
PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

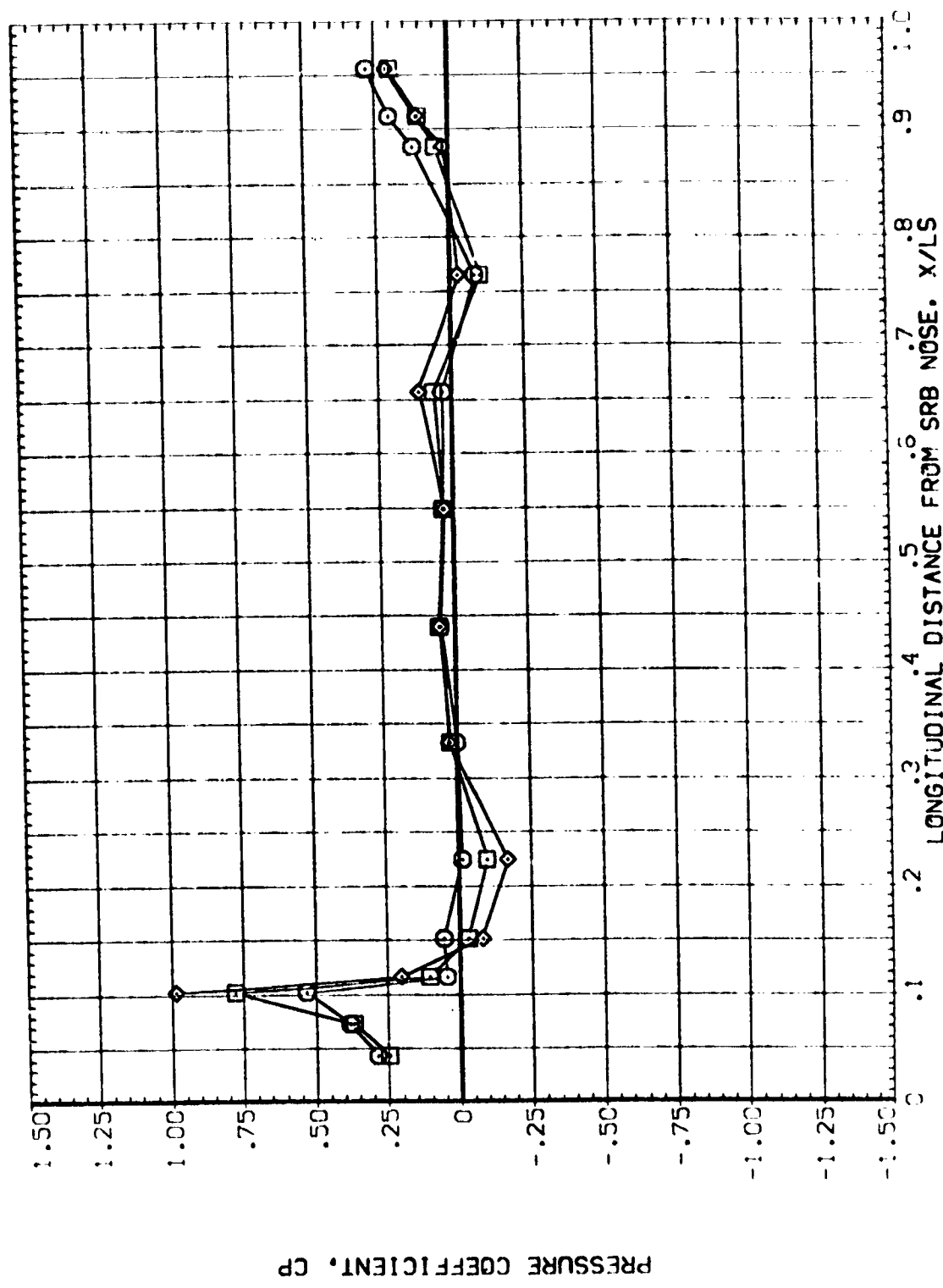
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	5.198	50. IN.	ALPHA	5.000	CONF 16
○	135.000	.000	1.960	LREF	5.313	IN.	DELTA Z	.140	RUDDER
□	157.500			BREF	5.313	IN.	X-SRB	.000	ORBITAL
◇	180.000			XMRP	2.549	IN.			
				YMRP	.972	IN.			
				ZMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA		ALPHA	PARAMETRIC VALUES	
				SREF	6.198		5.000	CONF IG
○	202.500	.000	1.960	LREF	5.313	DELTA Z	.140	RUDDER
□	225.000			BREF	2.349	X-SRB	.000	0981NC
◇	247.500			YMRP	.972			
				ZMRP	.000			
								90.000
								.000
								.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

5180 0000

PHI
270.000
292.500
315.000

BETA	MACH
.000	1.960

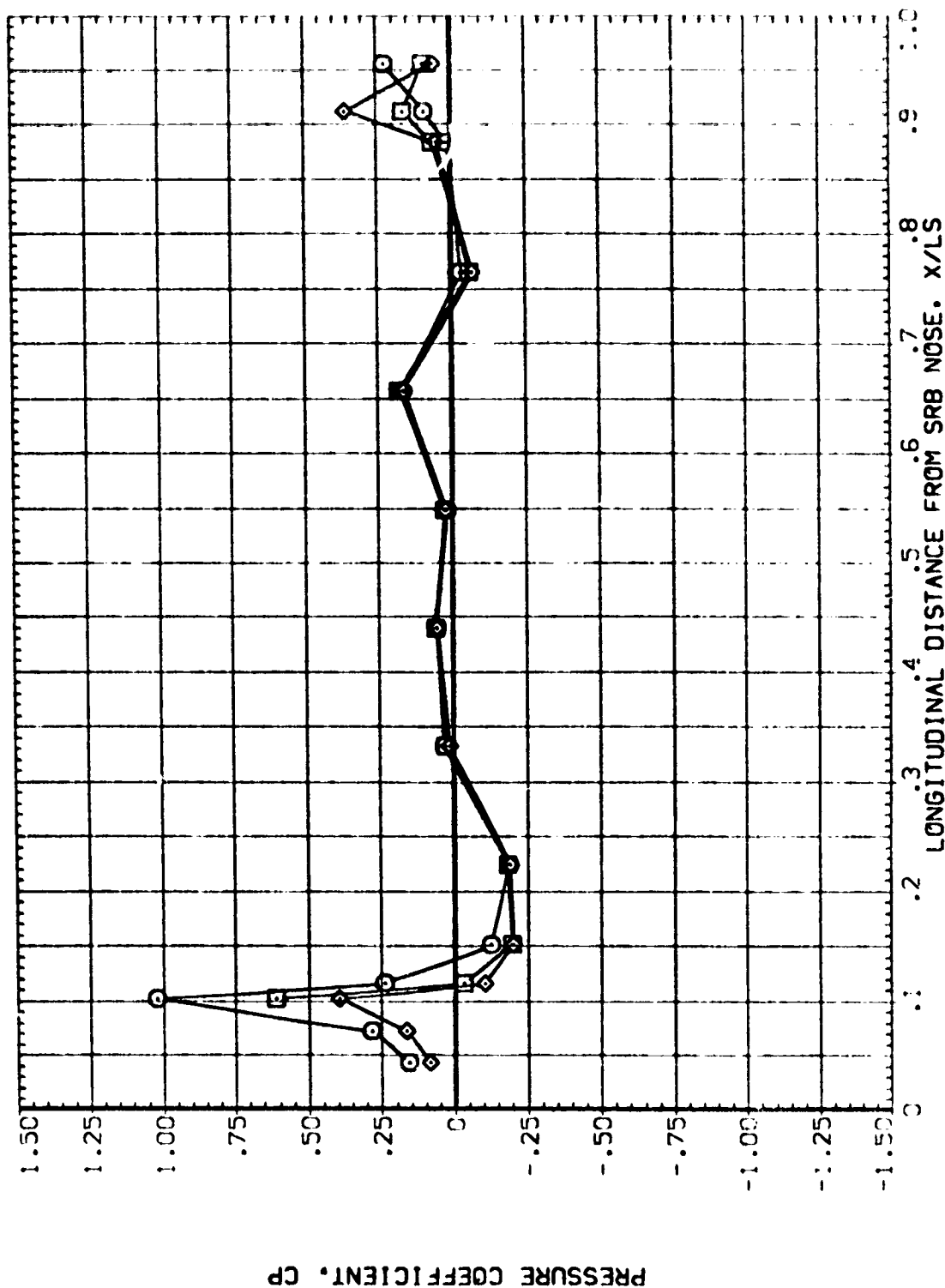
REFERENCE DATA	
SREF	6.198
LREF	5.313
BREF	5.313
XMWP	2.549
YMWP	.972
ZMWP	.000

z
gzzzzzz

ALPHA
DELTA
X-X

PARAMETRIC VALUES

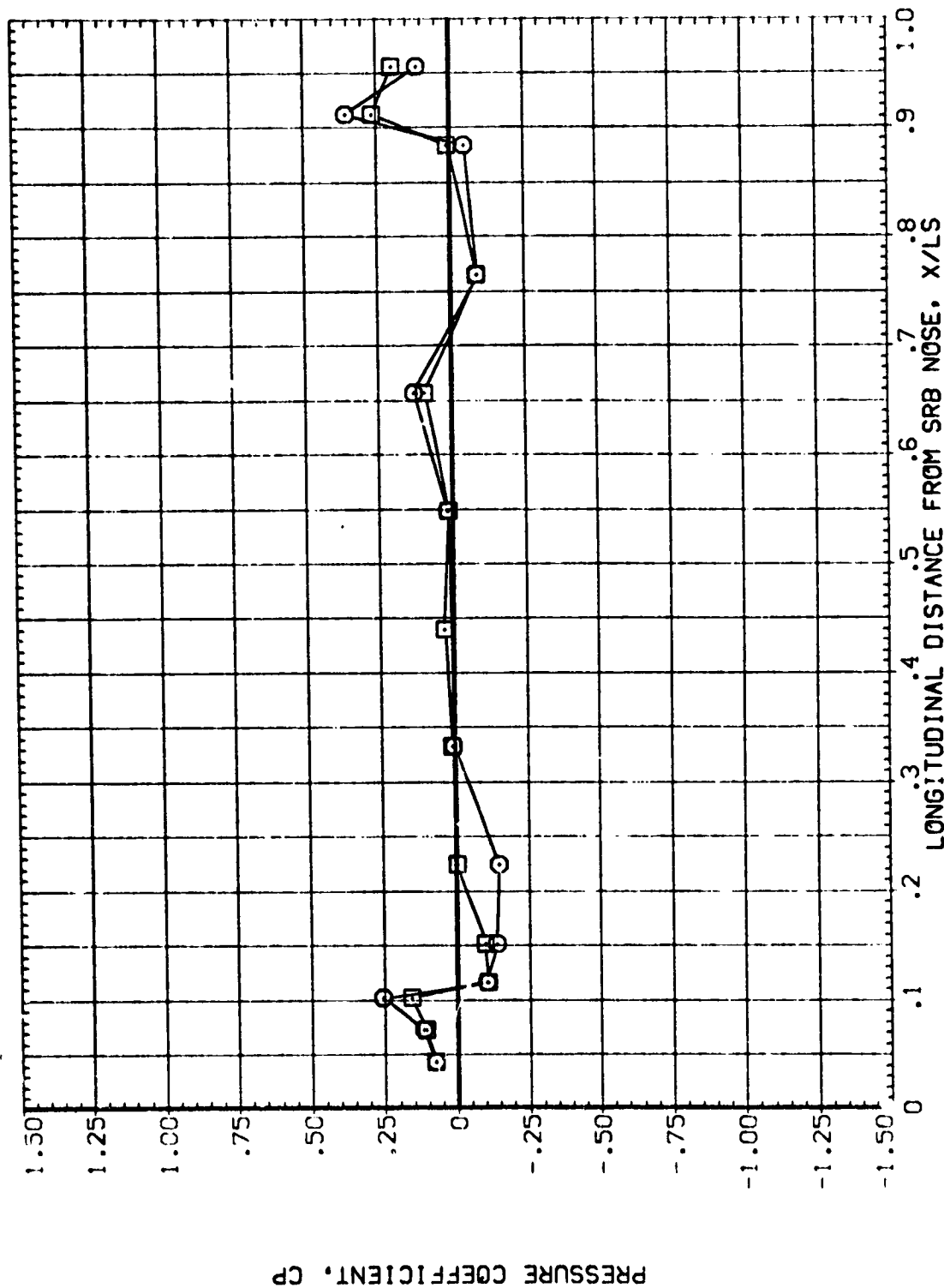
005.
000.
000.



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

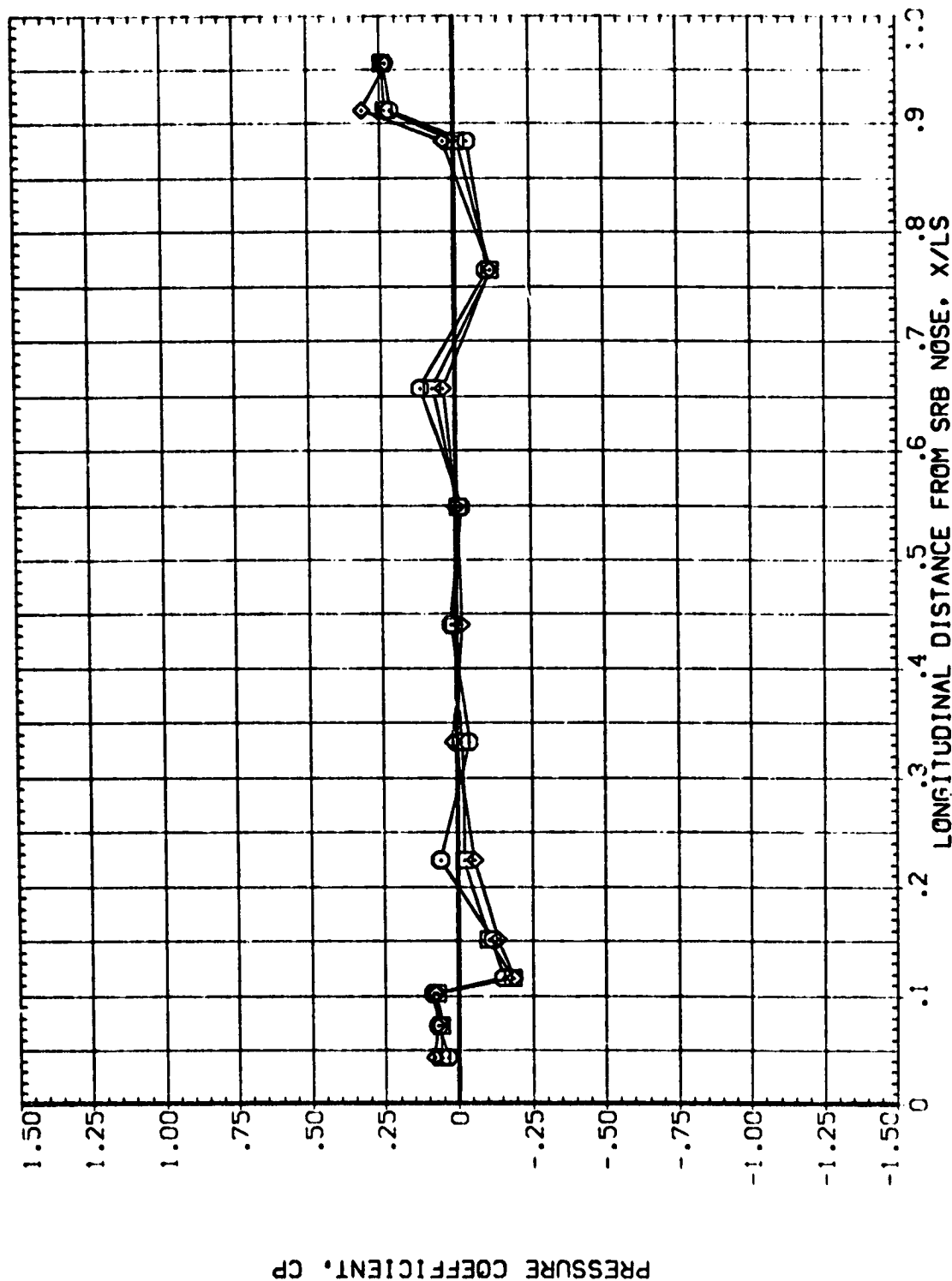
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	LREF	ALPHA	CONF IG	
○	337.500	.000	1.960	6.198	5.313	DELTA Z	.140	RUDDER
□	350.000			5.313	2.549	X-SRB	.000	ORBIT INC
				YMRP	.972			
				ZMRP	.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

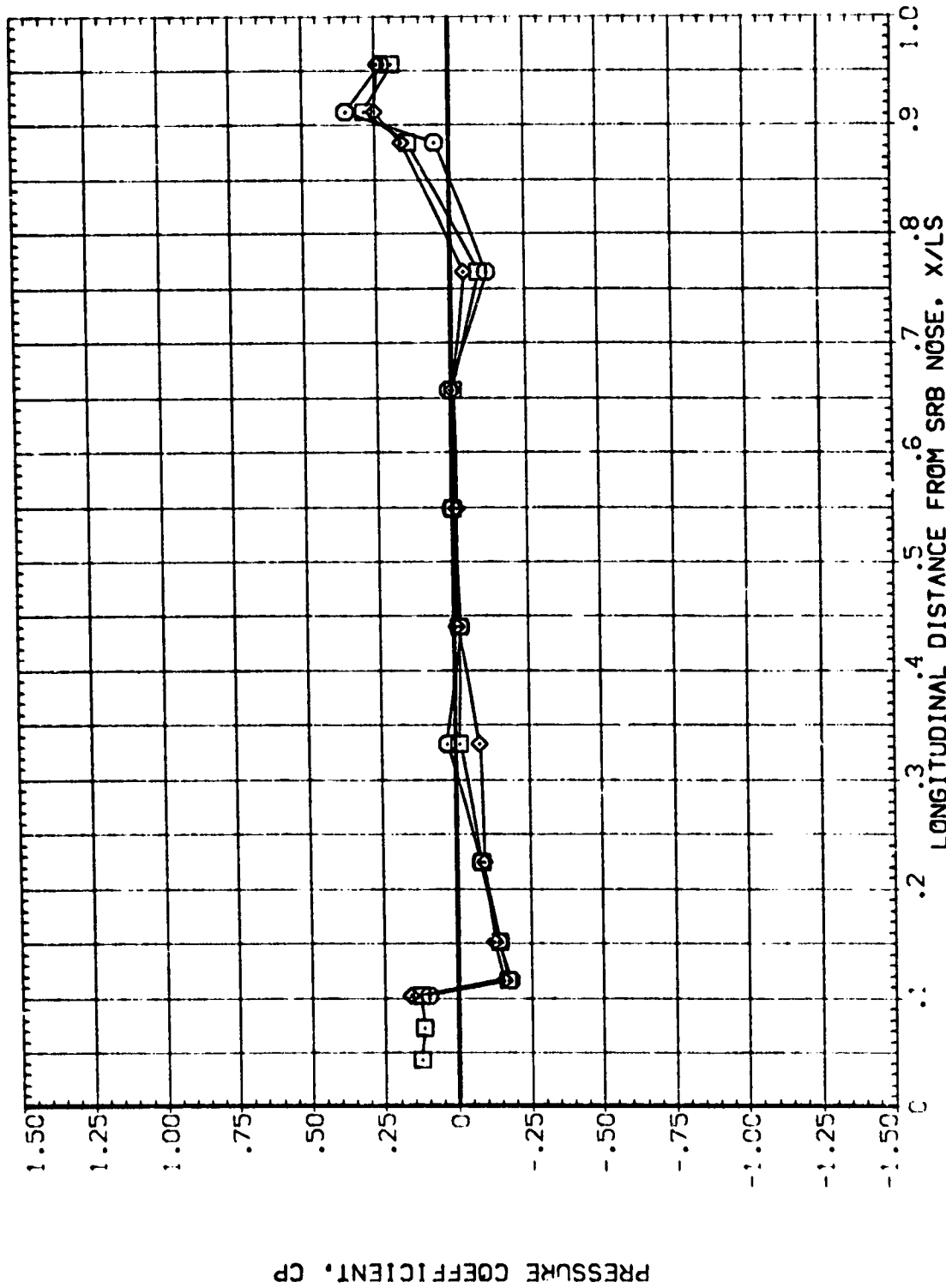
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES				
				SREF	6.198	50. IN.	ALPHA	5.000	CONF IG	
○	.000	4.000	1.960	LREF	5.313	IN.	DELTA Z	.140	RUDER	.000
□	22.500			BREF	5.313	IN.	X-SRB	.000	ORGINC	.500
◇	45.000			XMRP	2.549	IN.				
				YMRP	.972	IN.				
				ZMRP	.000	IN.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

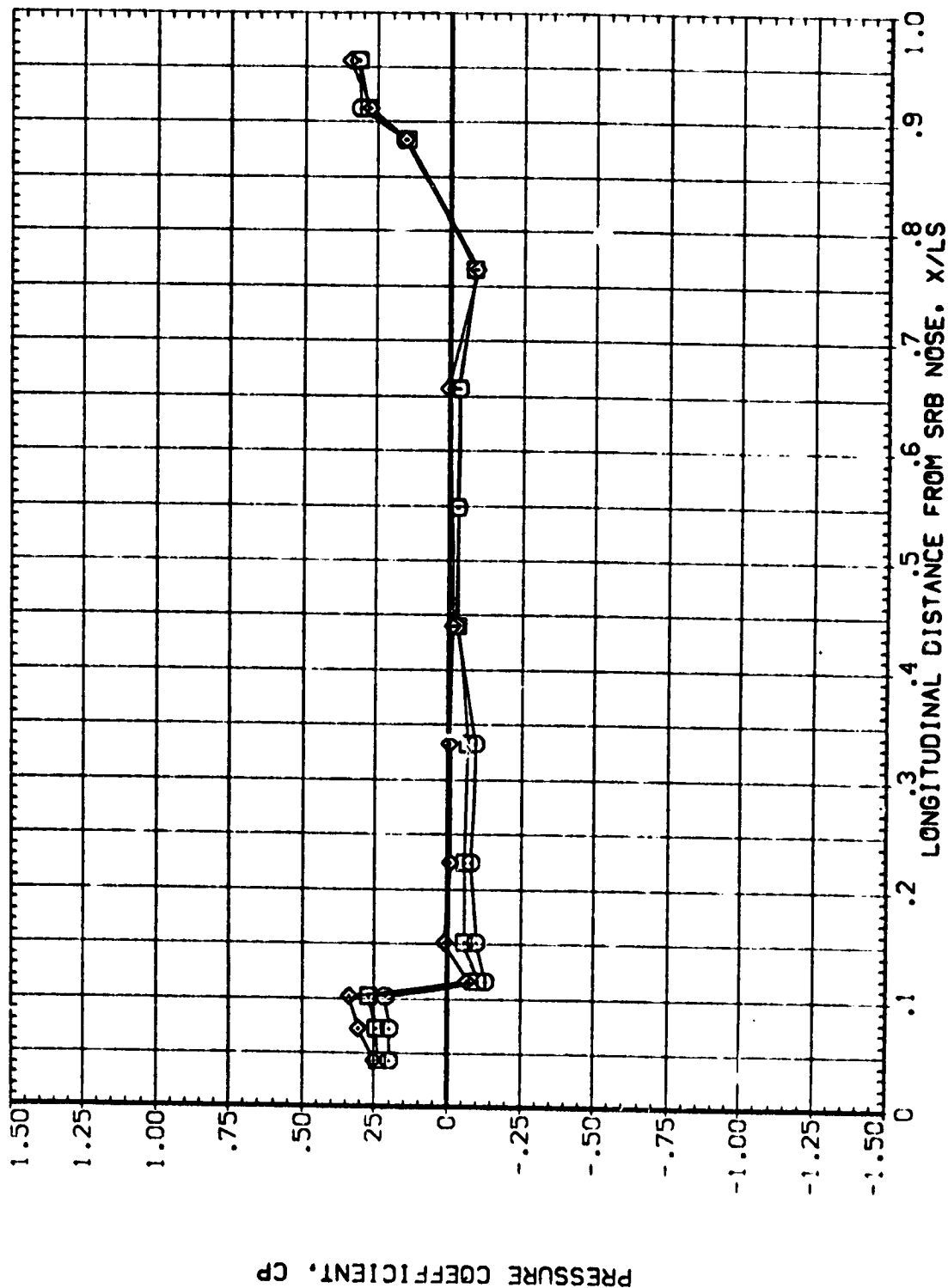
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	50. IN.	ALPHA	DELTA Z	CONF IG
○	67.500	4.000	1.960	6.198	5.313	5.313	2.549	IN.	DELTA Z	X-SRB	5.000
□	90.000							IN.			.140
◇	112.500							IN.			.300
								IN.			.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

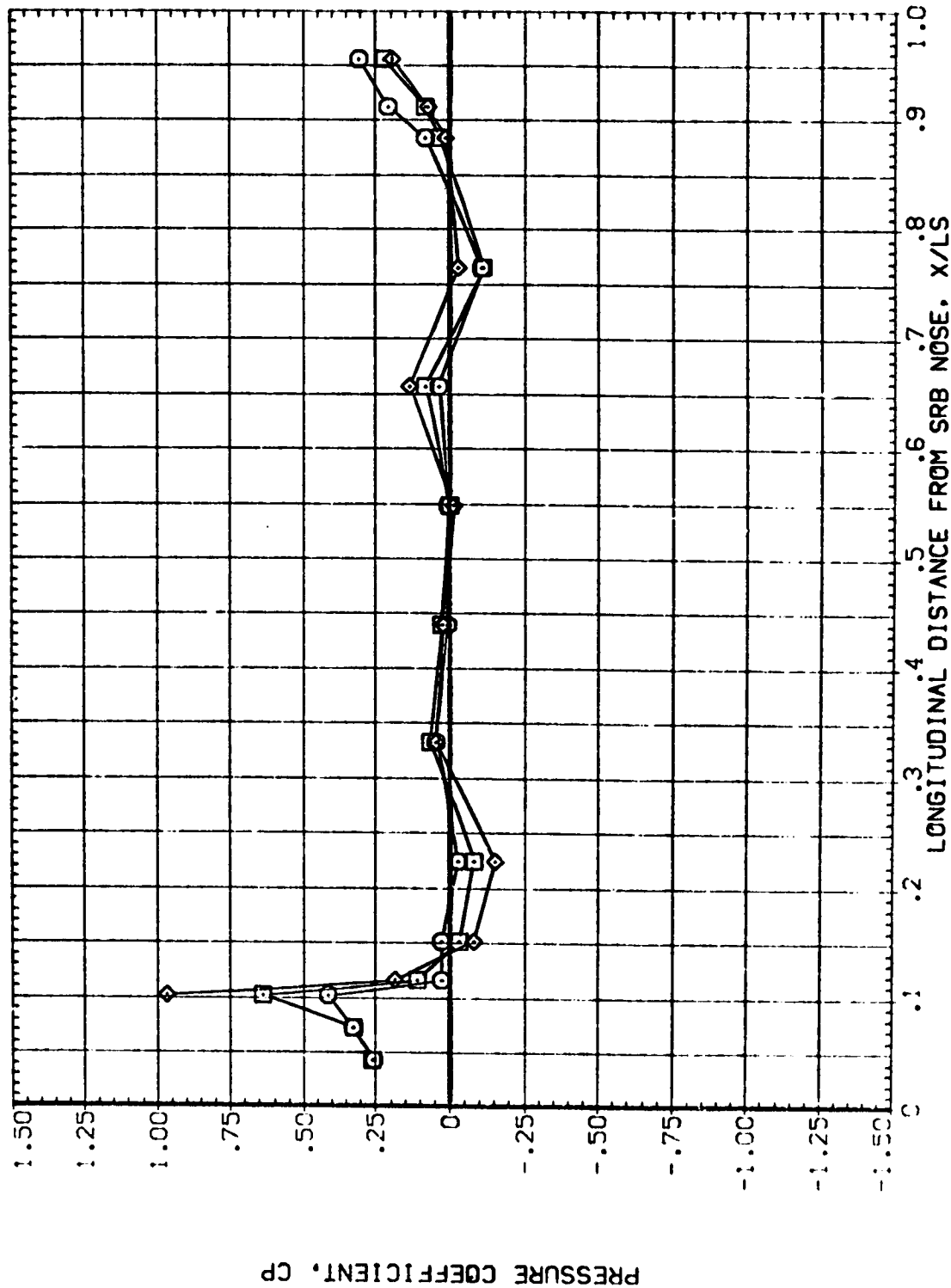
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	5.000	CONF IG
○	135.000	4.000	1.960	LREF	5.313	IN.	DELTA Z	.140	RUDER
□	157.500			BREF	5.313	IN.	X-SRB	.000	ORBIT INC
◇	150.000			YREF	2.549	IN.			
				ZREF	.572	IN.			
					.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

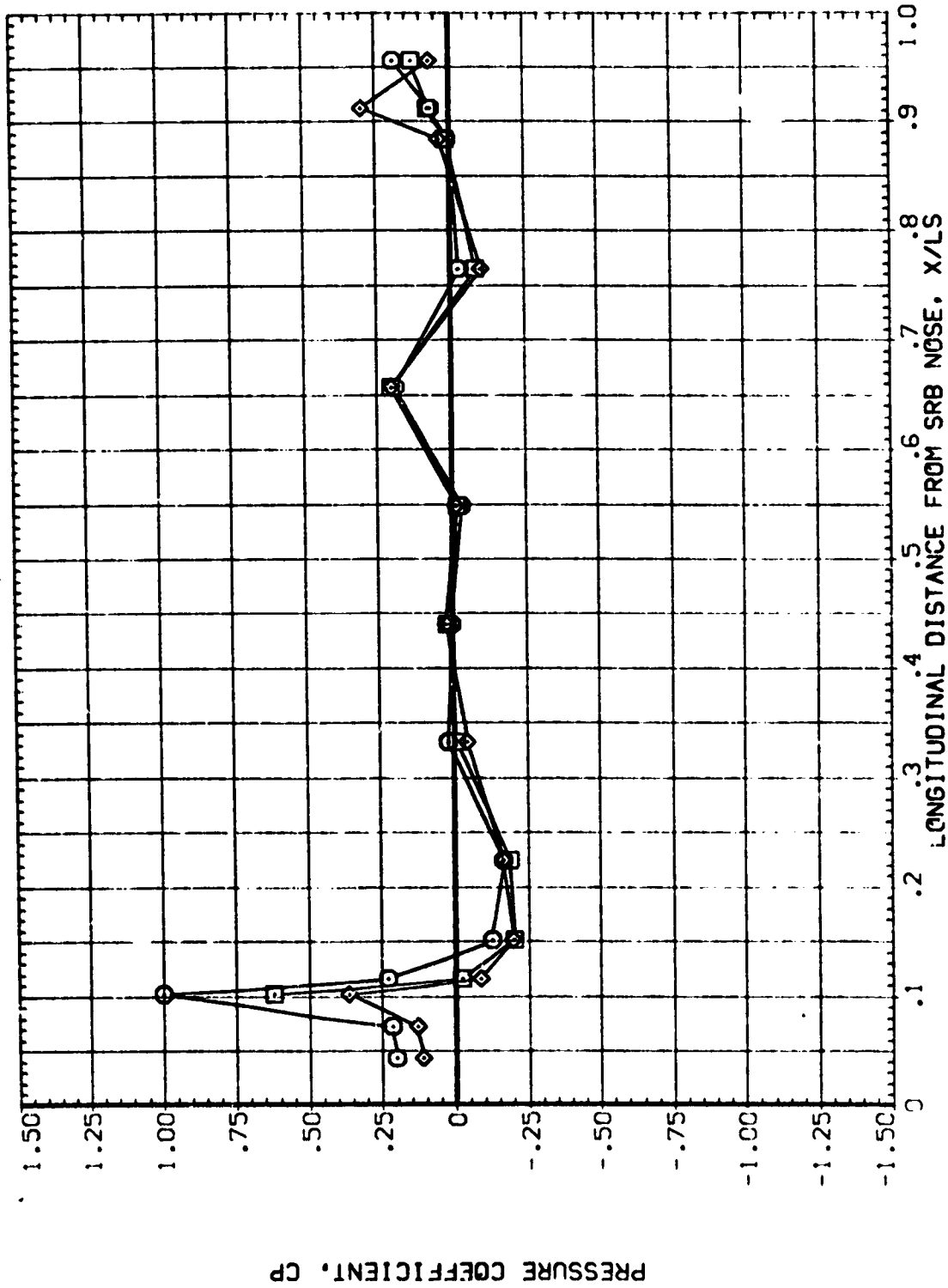
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	50. IN.	ALPHA	5.000	CONFIG
○	202.500	4.000	1.960	6.198	5.313	5.313	2.549	IN.	DELTAZ	.140	RUDDER
□	225.000						.972	IN.	X-SRB	.000	ORBITAL
◇	247.500						.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

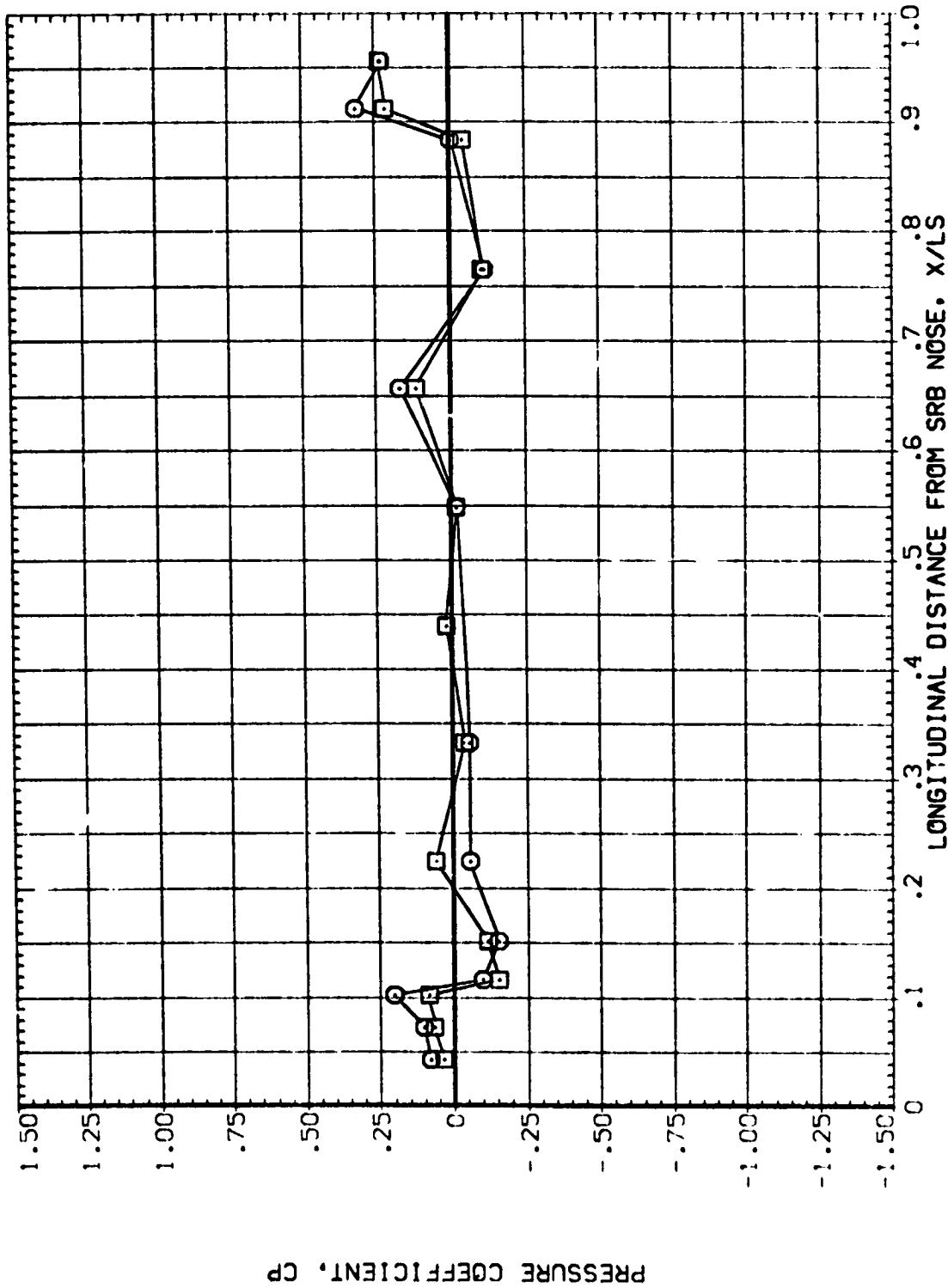
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XRRP	ZRRP	5.000	CONFIG	90.000
○	270.000	4.000	1.960	6.198	5.313	5.313	2.549	.972	.140	RUDDER	.000
□	292.500								.000	ORBITAL	.500
◇	315.000										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	50 IN.	ALPHA	5.000	CONF IG
□	337.500	4.000	1.960	6.198	5.313	5.313	2.549	IN.	DELTA Z	.140	RUDDER
□	360.000						.972	IN.	X-SRB	.000	ORBITAL
							.000	IN.			90.000
											.000
											.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL
 ○
 □
 ◇

PHI
 .000
 22.500
 45.000

BETA
 -4.000

MACH
 3.480

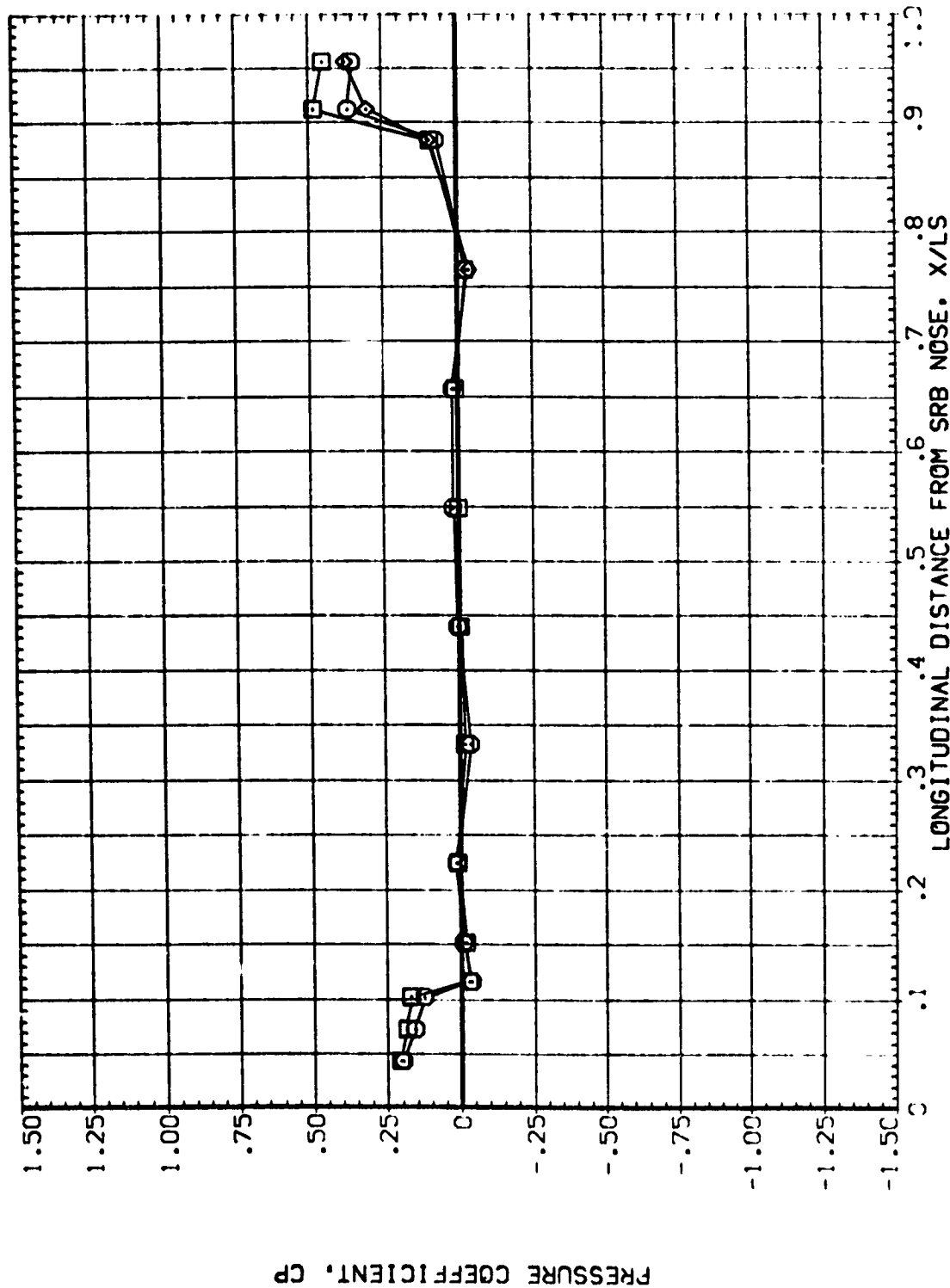
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 YPRP 2.549
 ZPRP .972

50. IN.
 IN.
 IN.
 IN.
 IN.

ALPHA
 DELTA Z
 X-SRB

PARAMETRIC VALUES
 5.000 CONFIG
 .140 RUDDER
 .000 ORBINC

90.000
 .000
 .500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL

PHI 67.500
90.000
112.500

BETA -4.000
MACH 3.480

REFERENCE DATA
SREF 6.198
LREF 5.313
BREF 5.313
YPRP 2.549
ZPRP .972

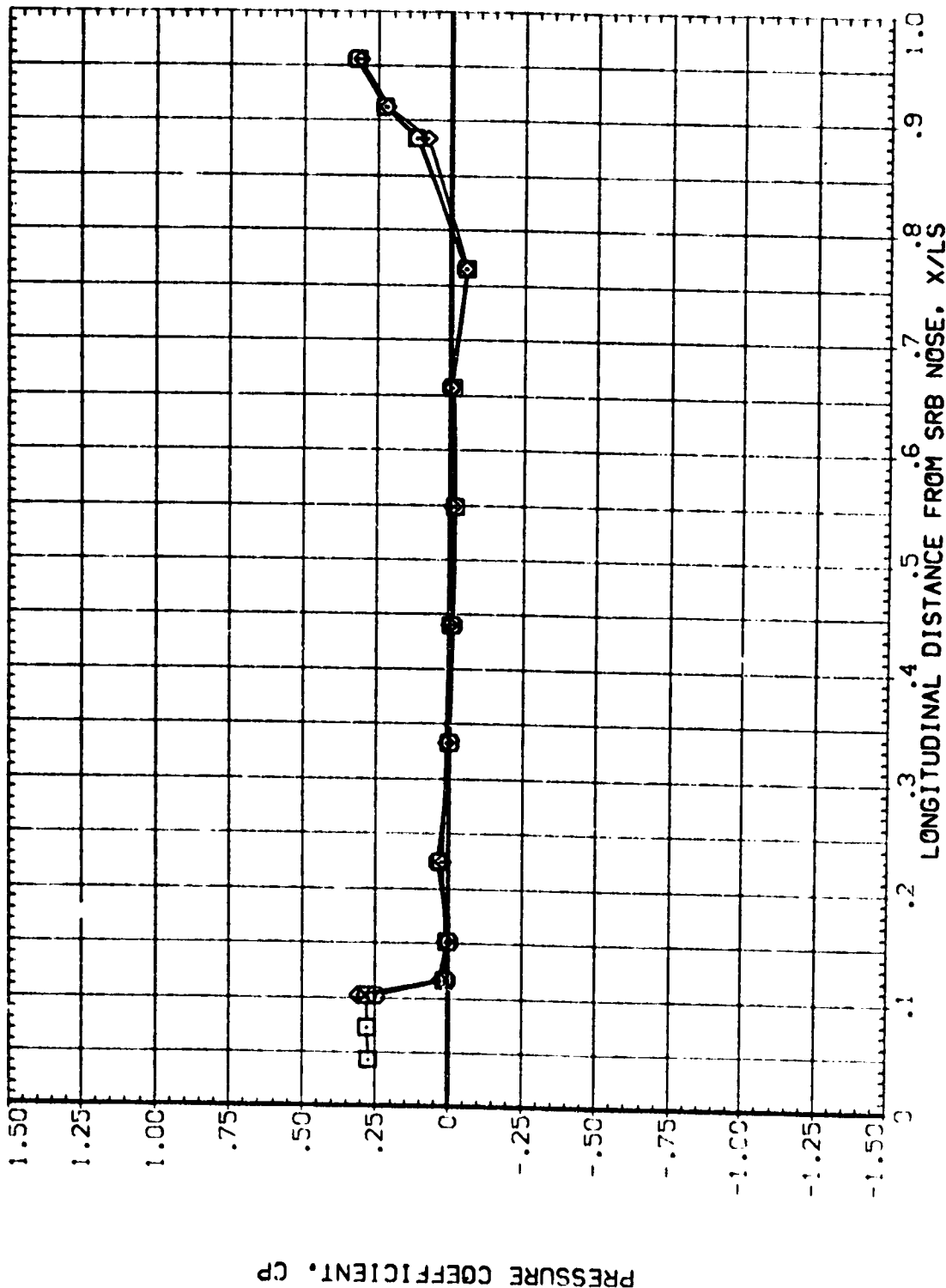
SG, IN.
IN.
IN.
IN.
IN.

ALPHA
DELTA Z
X-SRB

PARAMETRIC VALUES
5.000
.140
.000

CONF IG
RUDDER
ORBIT INC

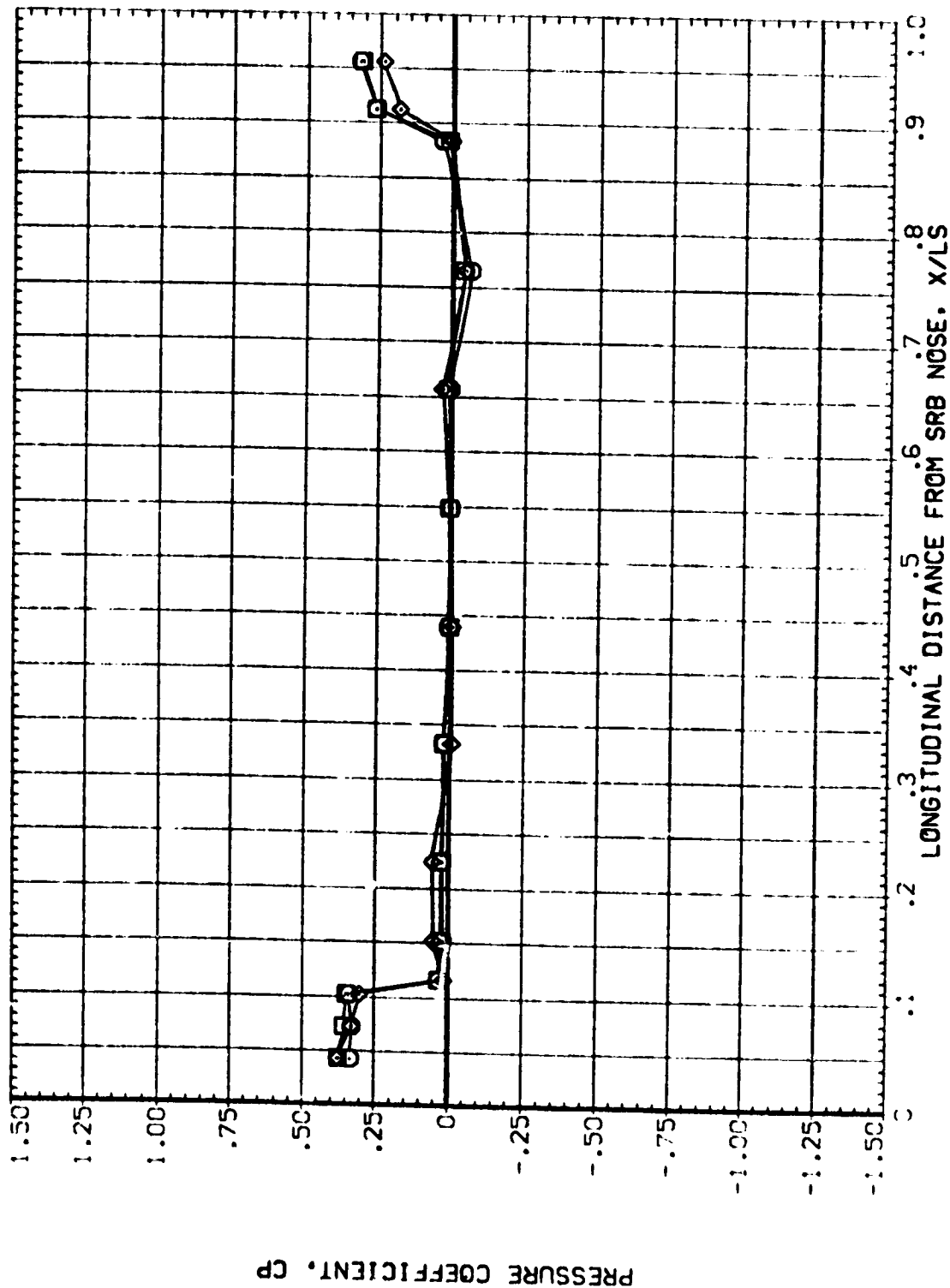
90.000
.000
.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

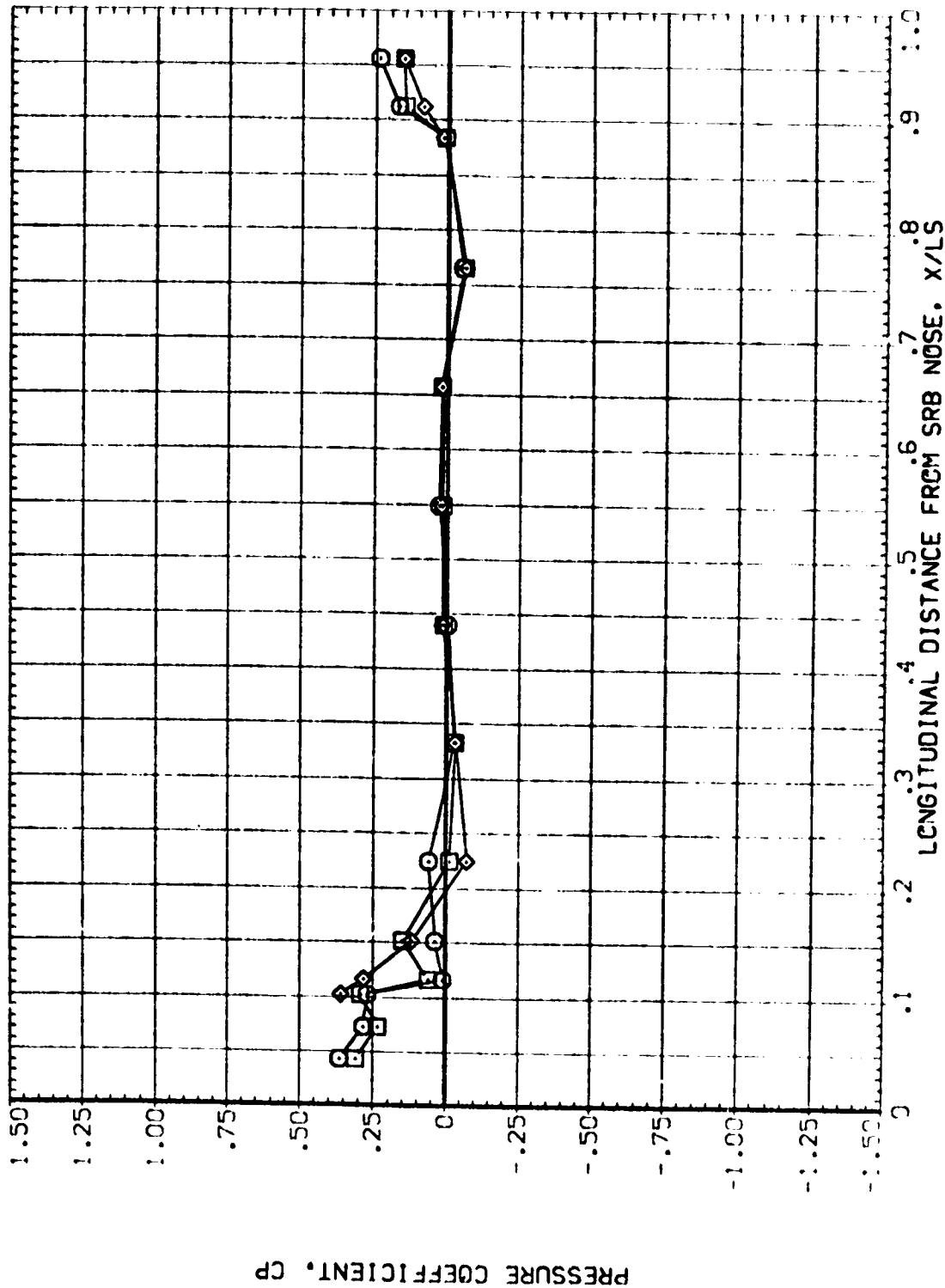
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	5.198	50. IN.	ALPHA	5.000	CONFIG
□	135.000	-4.000	3.480	LREF	5.313	IN.	DELTA Z	.140	RUDDER
◇	157.500			BREF	5.313	IN.	X-SRB	.000	ORBIT INC
	180.000			XMRP	2.549	IN.			
				YMRP	.972	IN.			
				ZMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

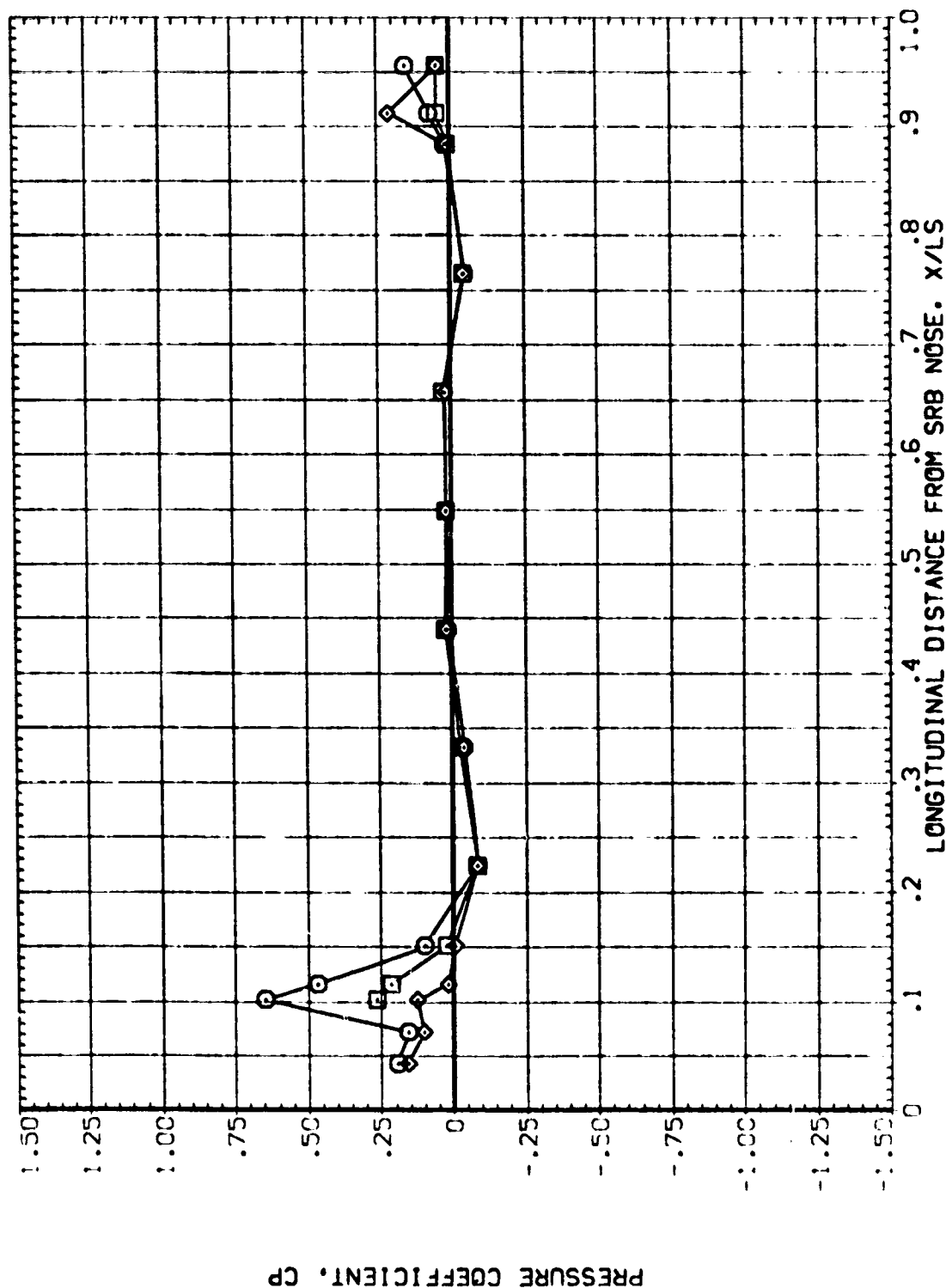
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA						PARAMETRIC VALUES				
				SREF	LREF	BREF	XPRP	YPRP	ZPRP	SO, IN.	ALPHA DELTAZ X-SRB	5.000 .140 .000	CONFIG RUDDER ORBINC	90.000 .000 .500
○	202.500	-4.000	3.480	6.198	5.313	5.313	2.549	.972	.000					
□	225.000													
◇	247.500													



MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	5.198	50. IN.	50.000
	270.000	-4.000	3.480	LREF	5.313	IN.	CONF IG
	292.500			BREF	2.549	IN.	.140 RUDDER
	315.000			XPRP	.972	IN.	.000 ORBINE
				ZPRP	.000	IN.	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

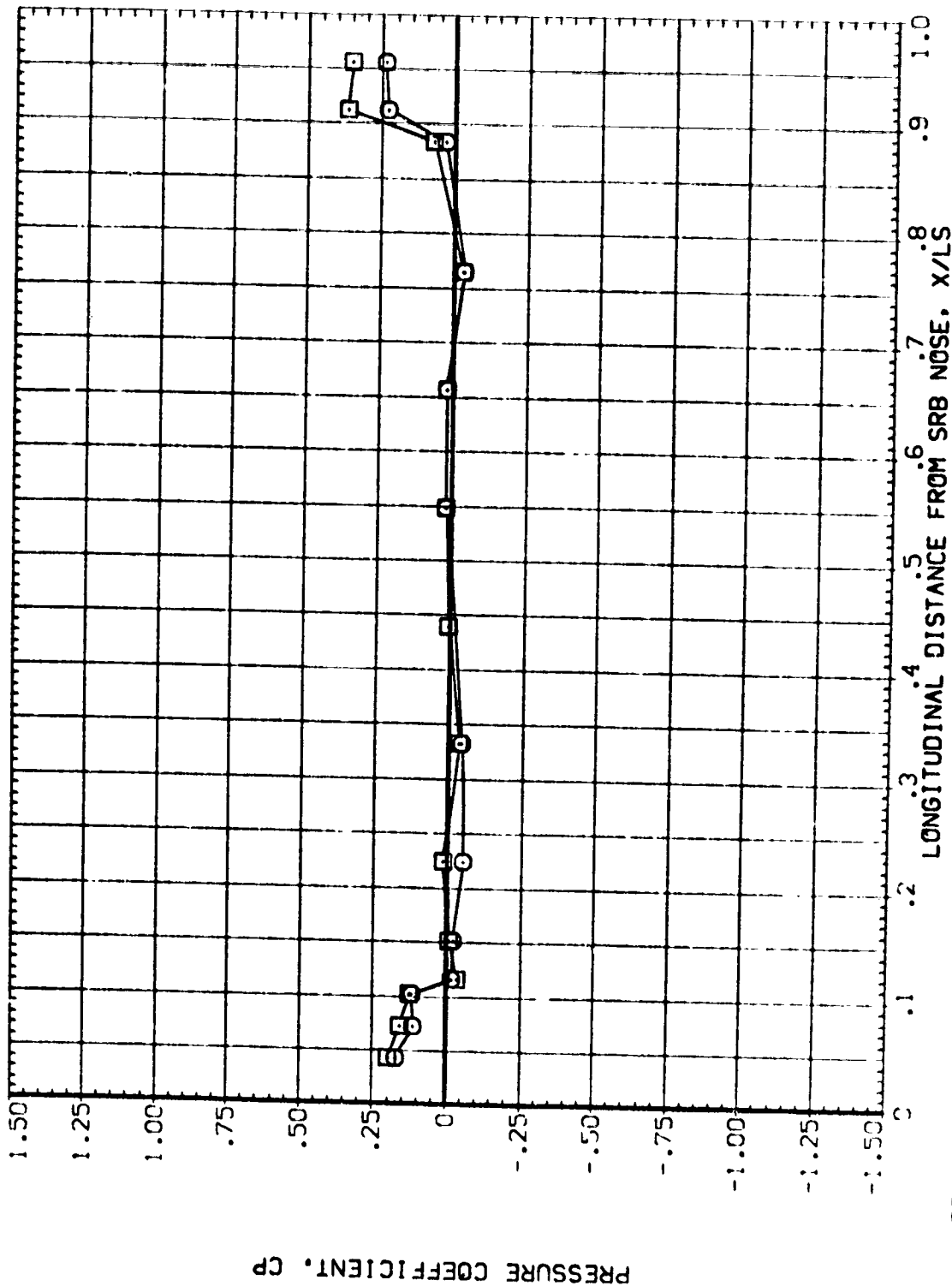
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL
○
□

PHI 337.500
360.000
BETA -4.000
MACH 3.480

REFERENCE DATA
SREF 6.198
LREF 5.313
BREF 5.313
XMRP 2.549
YMRP -.572
ZMRP .000

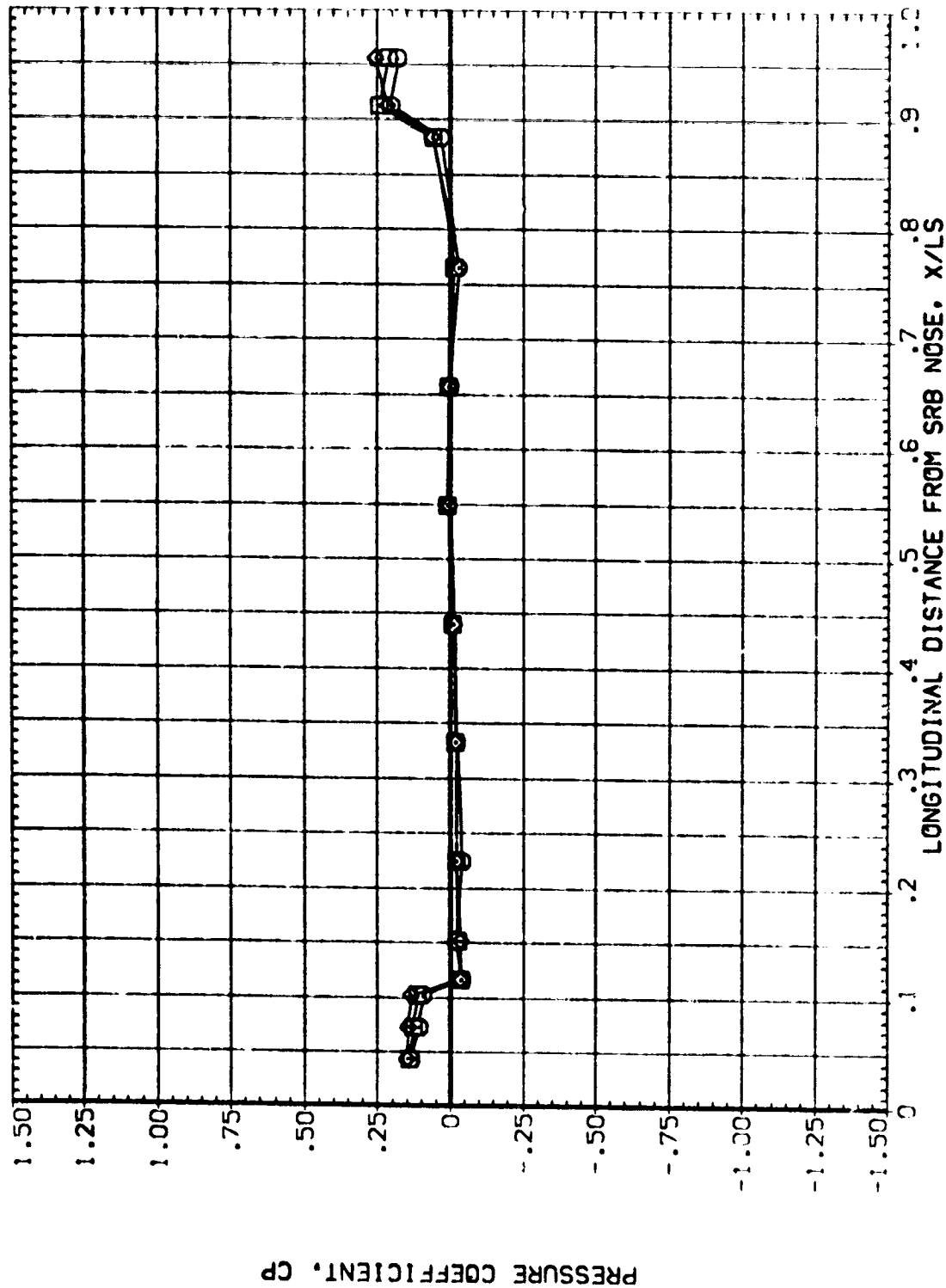
PARAMETRIC VALUES
5.000 CON'G
.140 RUDDER
.000 ORBINC
50.000
.000
.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	5.000	CONF 16
□	22.500	.000	3.480	LREF	5.313	IN.	DELTA Z	.140	RUDDER
◇	45.000			BREF	5.313	IN.	Δ-SRB	.000	ORBITAL
				XPRP	2.549	IN.			
				YPRP	.972	IN.			
				ZPRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

SYMBOL

PHI 67.500
90.000
112.500

BETA .000
MACH 3.480

REFERENCE DATA

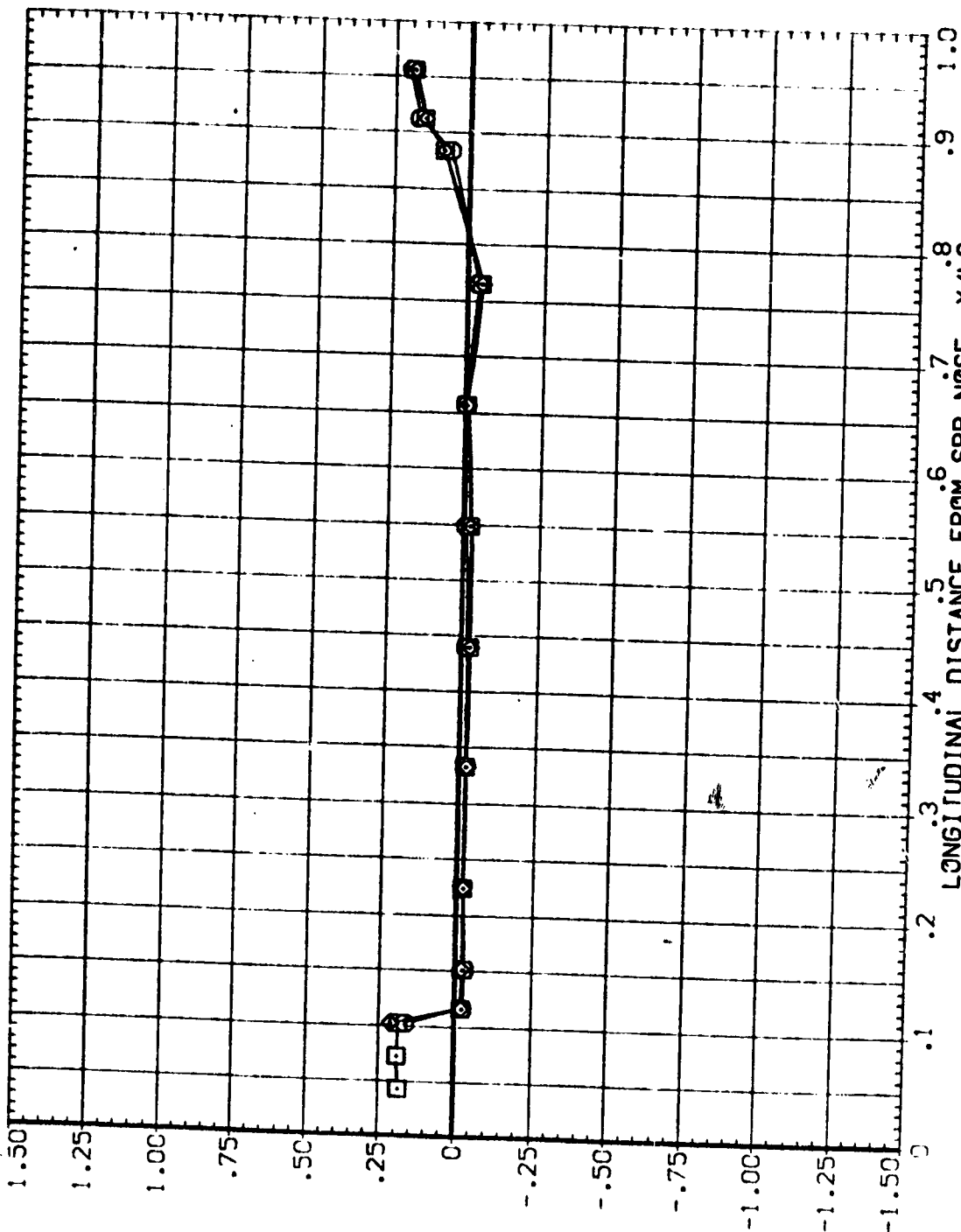
SREF 6.198
LREF 5.313
BREF 5.313
XPRP 2.549
ZPRP .972

PARAMETRIC VALUES

5.000
.140
.000
90.000
.000
.500

CONFIG
RUDDER
ORBITAL

ALPHA
DELTA
X-SRB



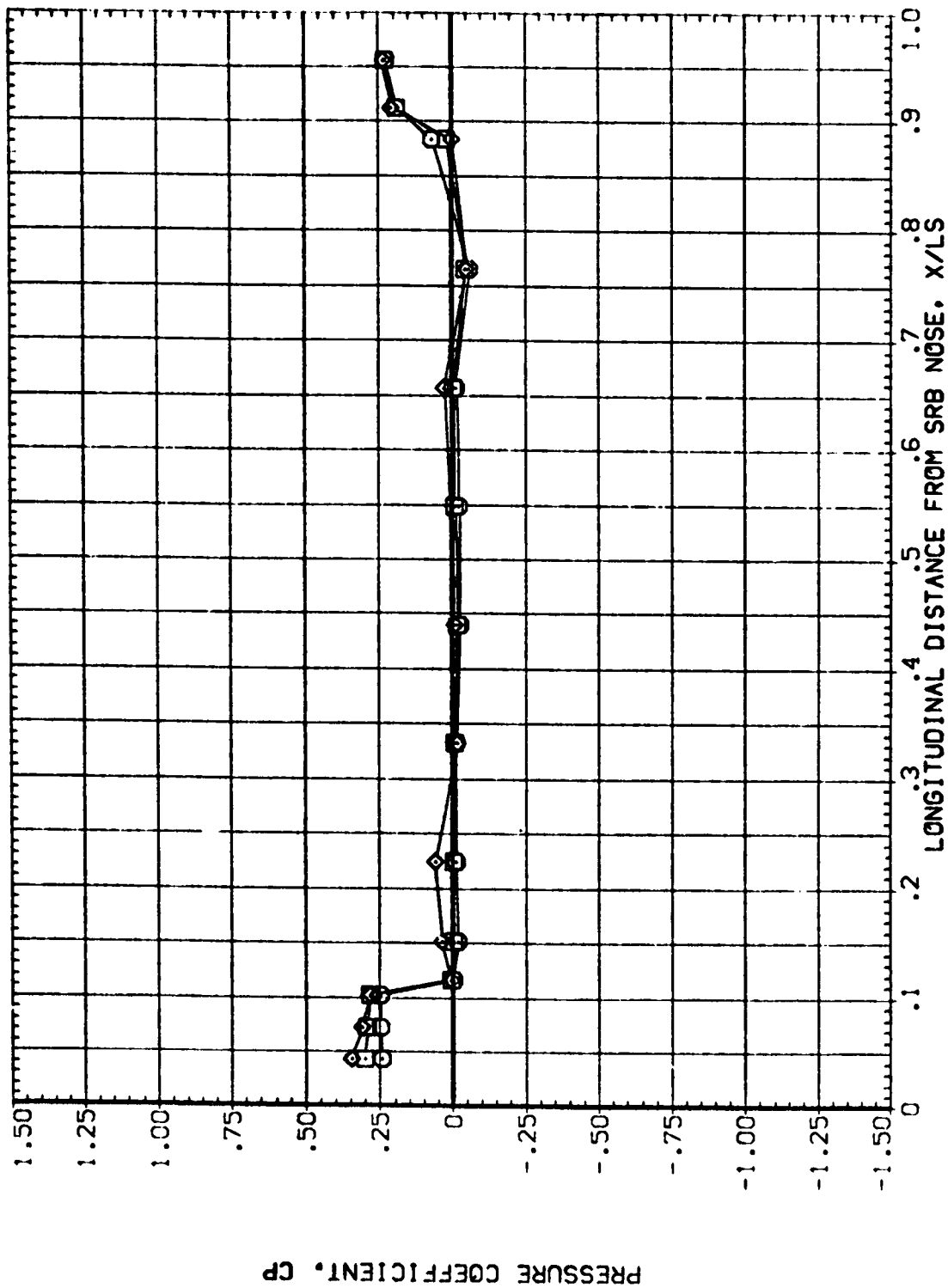
PRESSURE COEFFICIENT, CP

LONGITUDINAL DISTANCE FROM SRB NOSE, X/LS

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

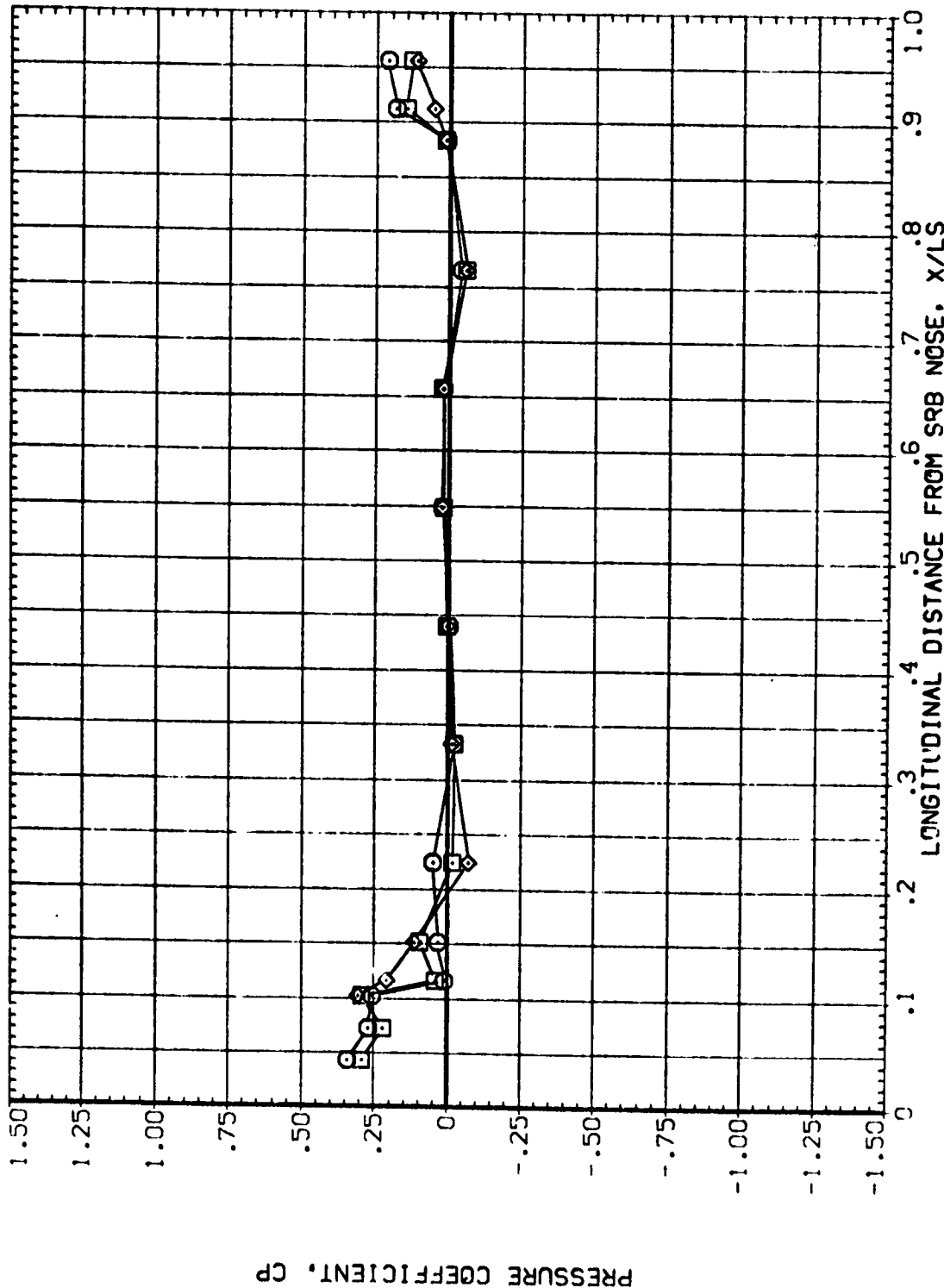
SYMBOL	PHI		BETA		MACH		REFERENCE DATA		PARAMETRIC VALUES	
	135.000	157.500	180.000	.000	3.480		SREF	6.198	50.000	CONF IG
□							LREF	5.313	.140	RUDDER
◇							BREF	5.313	.000	ORBITAL
							XMRP	2.549	.000	
							YMRP	.972	.000	
							ZMRP	.000	.000	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

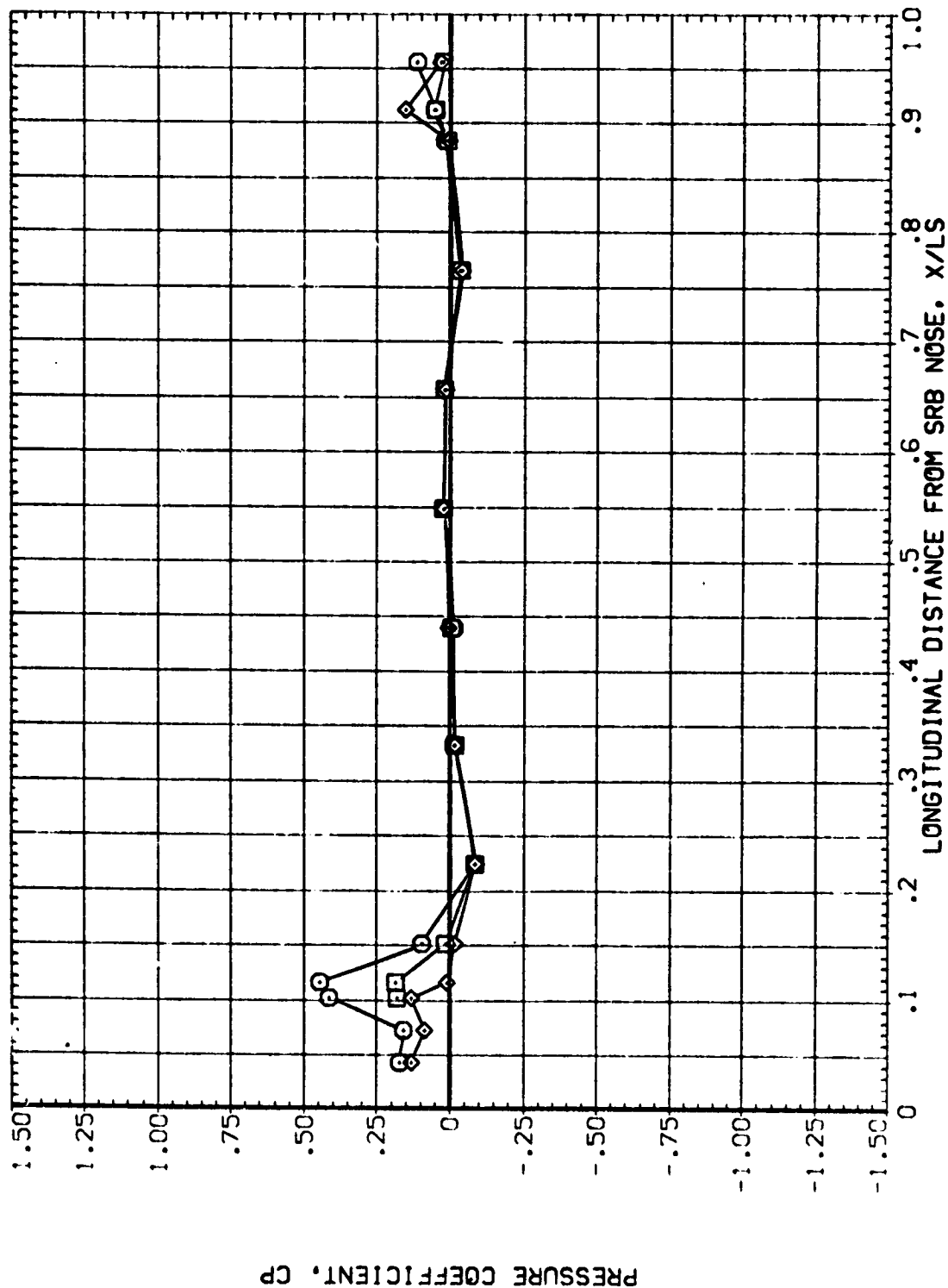
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	50. IN.	ALPHA	CONF IG	90.000
○	202.500	.000	3.480	5.198	5.313	5.313	2.549	IN.	DELTA Z	.140	.000
□	245.000							IN.	X-SRB	.000	.500
◇	247.500							IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

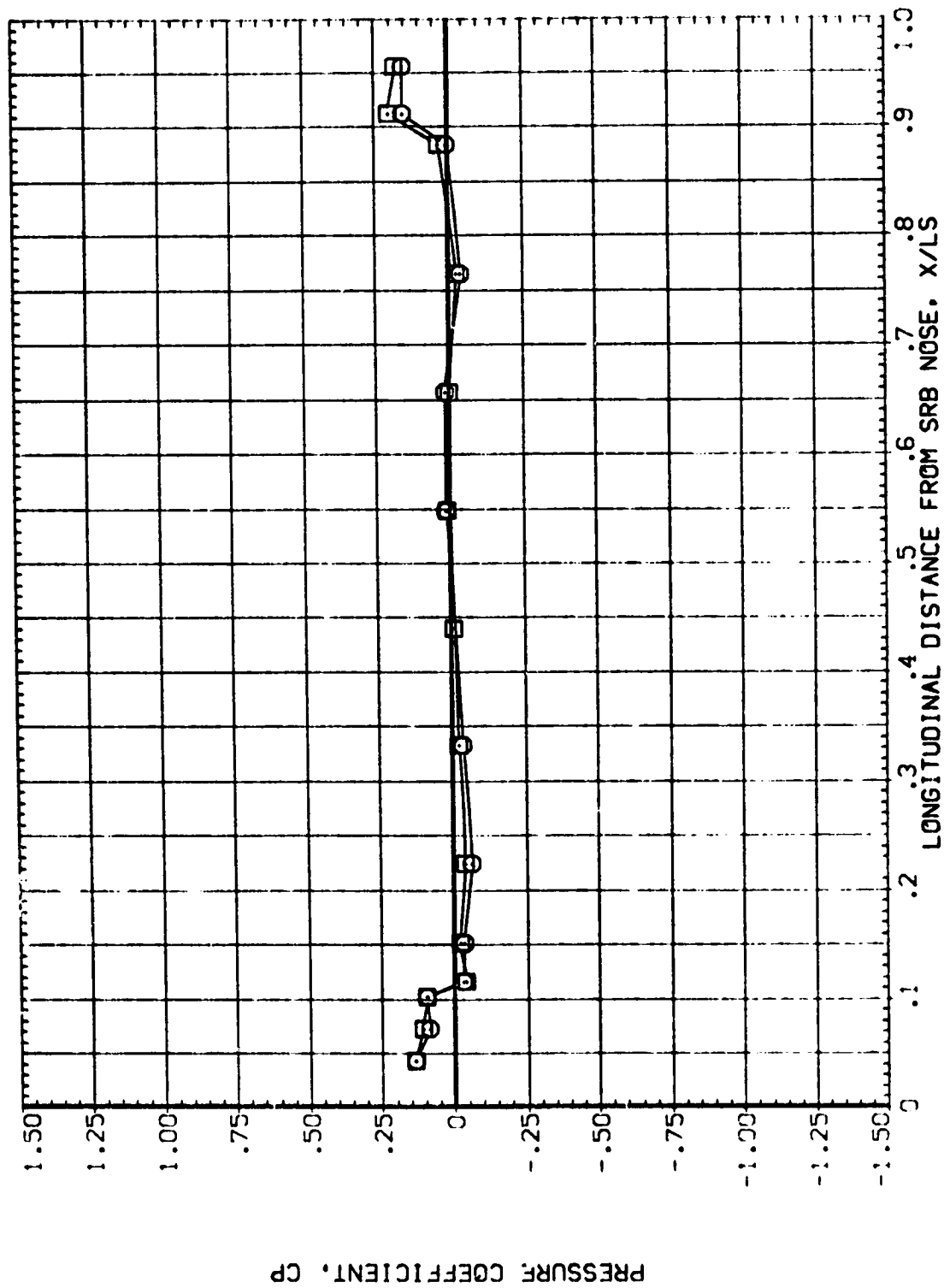
SYMBOL	PHI	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	270.000	.000	3.480	SREF 6.198	5.000 CONF 16
□	292.500			LREF 5.313	.140 RUDDER
◇	315.000			BREF 5.313	.000 ORB INC
				XRRP 2.549	
				YRRP .972	
				ZRRP .000	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

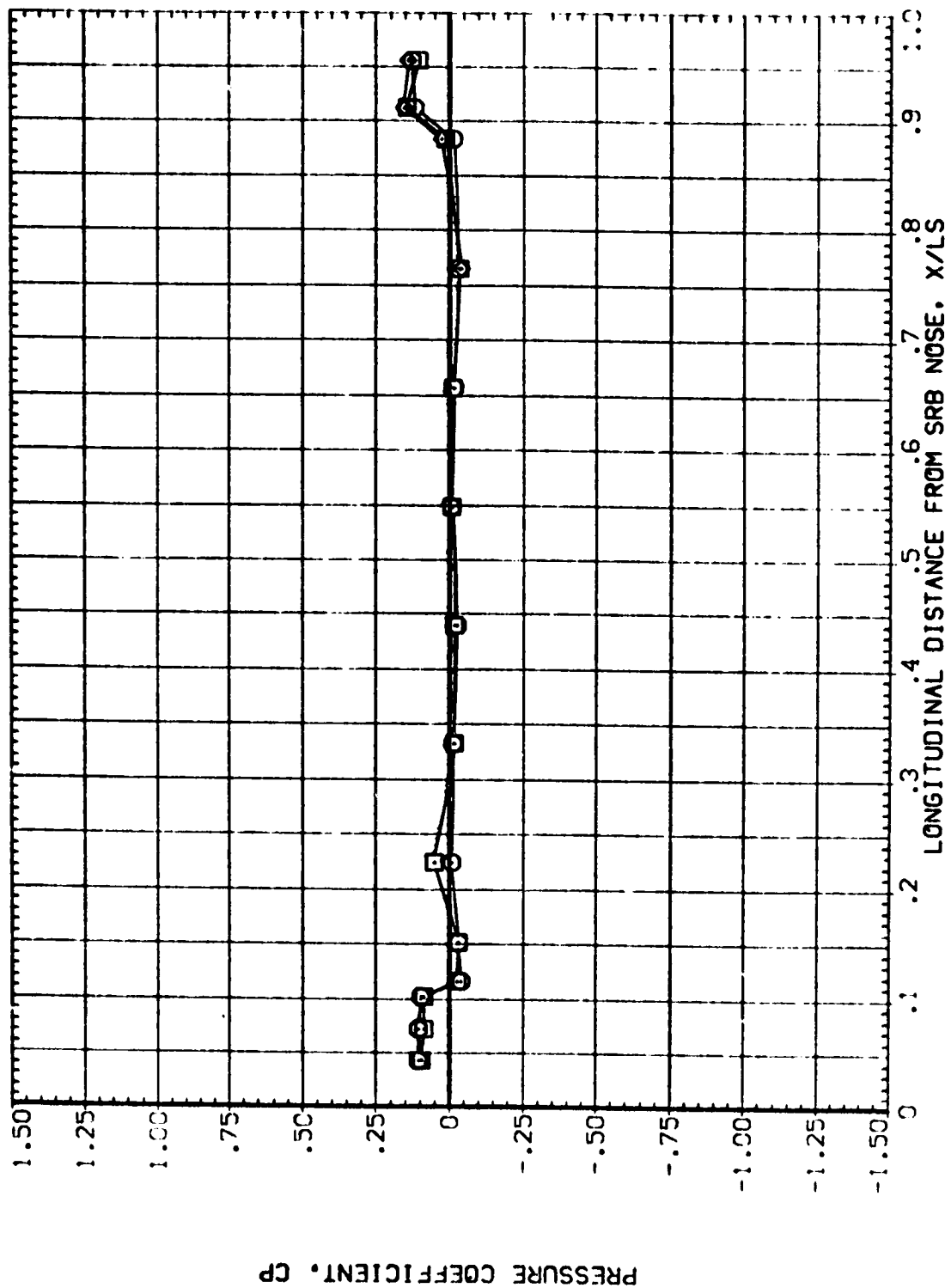
SYMBOL	PHI	BETA	MACH	REFERENCE DATA			PARAMETRIC VALUES		
				SREF	LREF	BREF	50. IN.	ALPHA	CONF16
○	337.500	.000	3.480	6.198	5.313	5.313	IN.	DELTA Z	5.000
□	360.000			2.549	.972	.000	IN.	X-SRB	.140
				.000			IN.	ORBIT	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

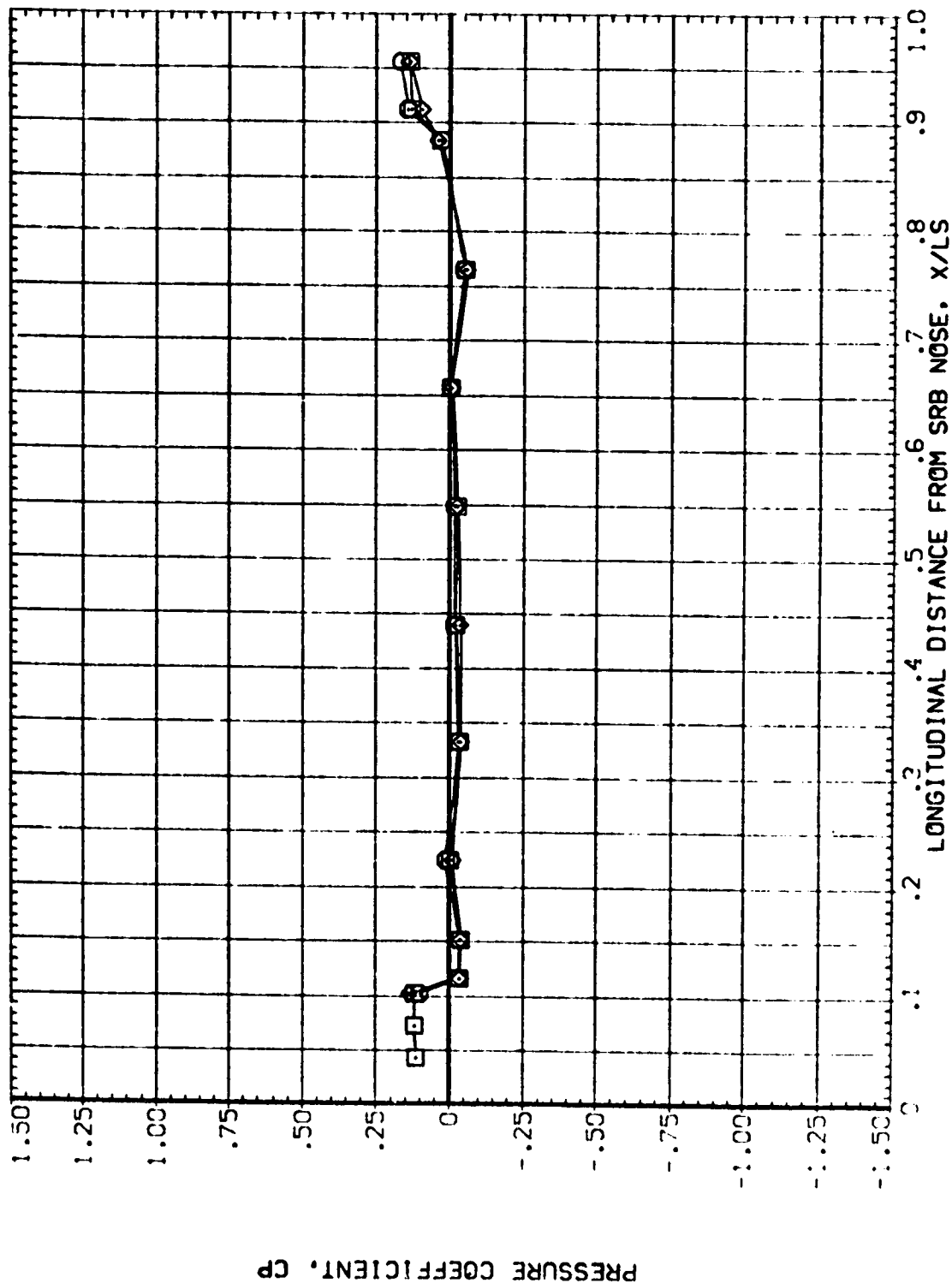
SYMBOL	PHI	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.000	4.000	3.480	SREF 6.198	5.000 CONF IG
□	22.500			LREF 5.313	.140 RUDDER
◇	45.000			BREF 5.313	.000 ORB INC
				XPRP 2.549	
				YPRP .972	
				ZPRP .000	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

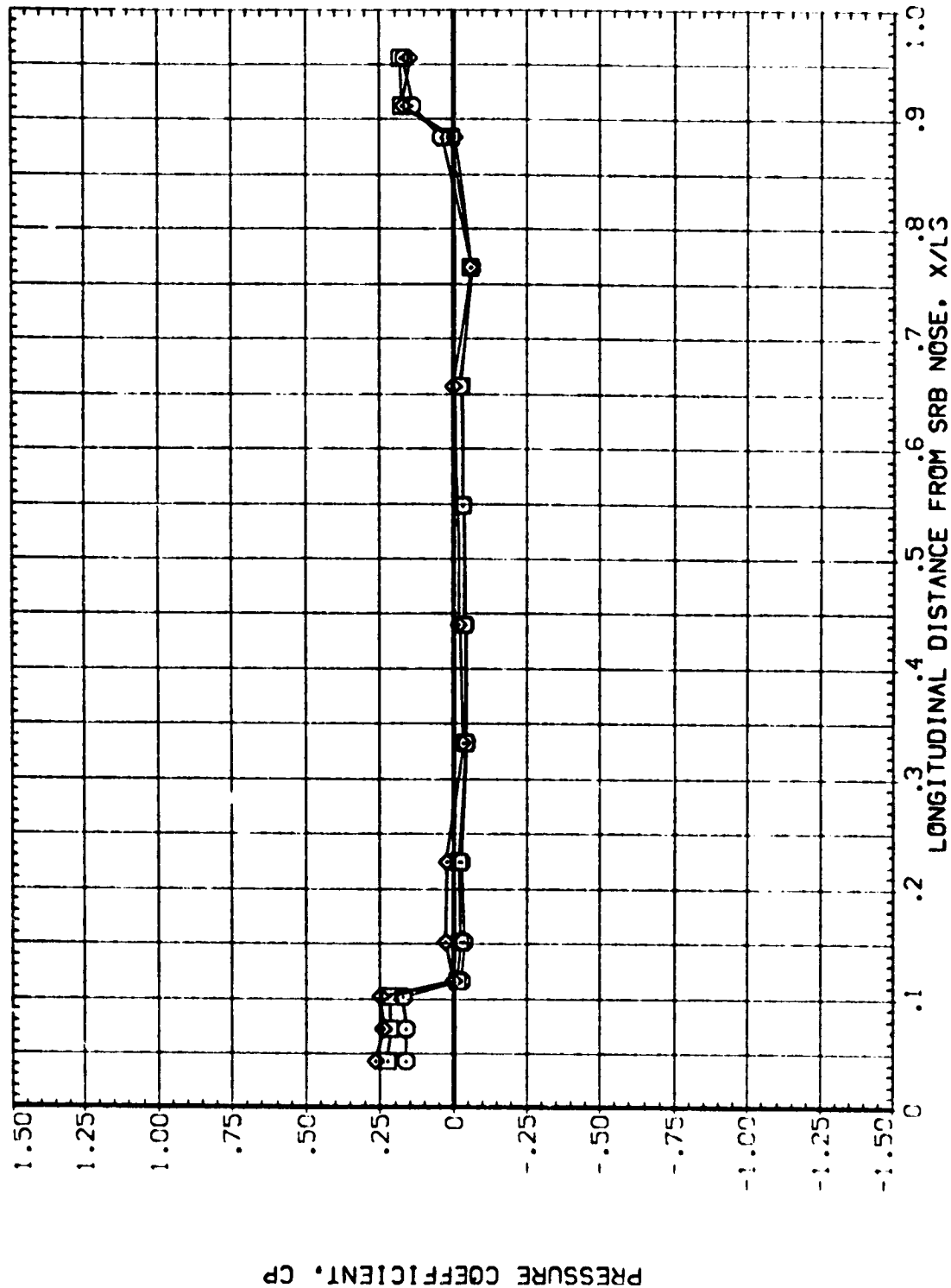
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	CONF IG
○	67.500	4.000	3.480	6.198	5.313	5.313	2.549	.972	.000	5.000	CONF IG
□	90.000									.140	RUDDER
◇	112.500									.000	ORBITAL



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

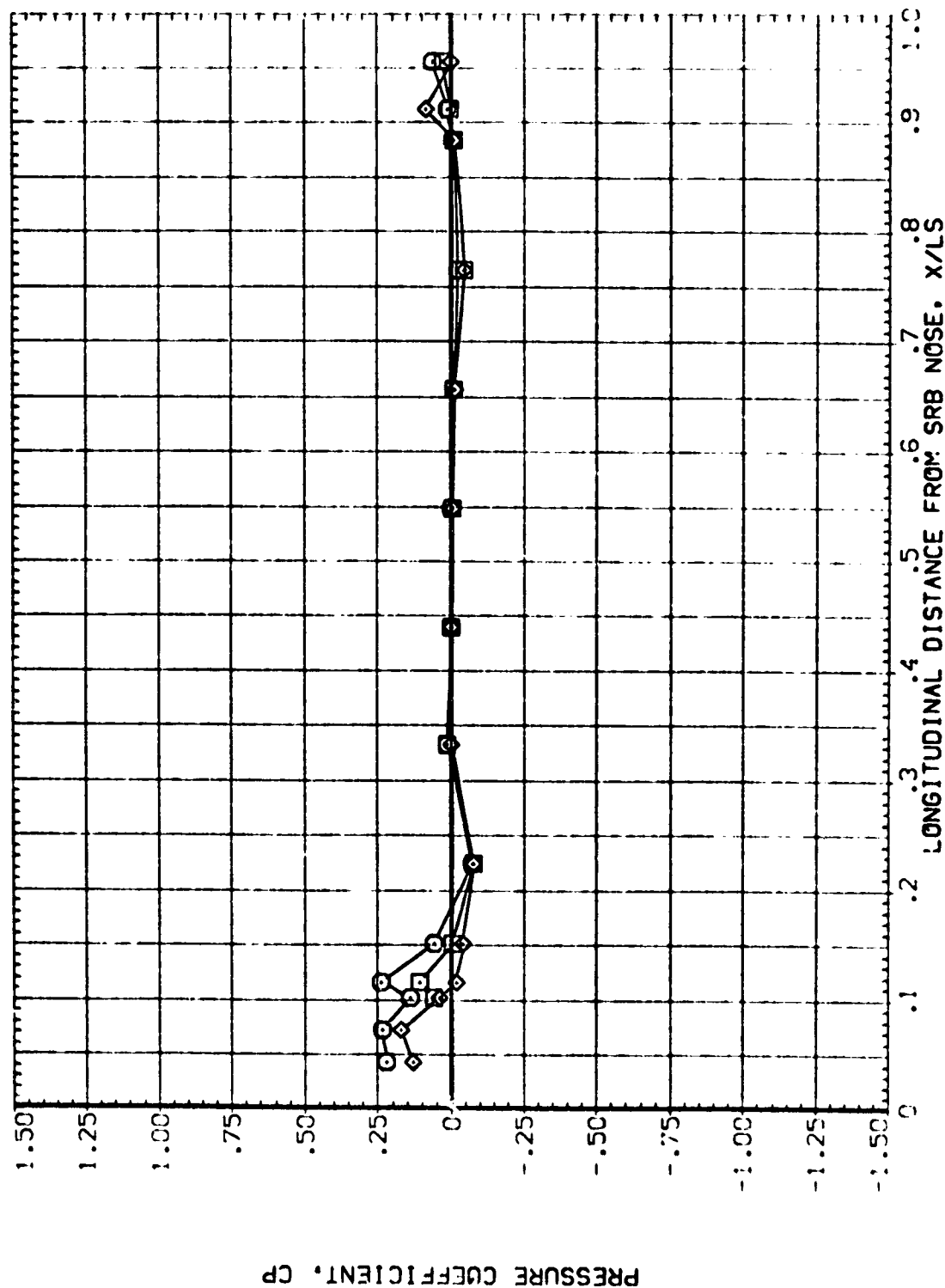
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES				
				SREF	6.198	SO, IN.	ALPHA	CONF IG	90.000	
○	135.000	4.000	3.480	LREF	5.313	IN.	DELTA Z	.140	RUDDER	.000
□	157.500			BREF	5.313	IN.	X-SRB	.000	DRB INC	.500
◇	160.000			XPRP	2.549	IN.				
				YPRP	.972	IN.				
				ZPRP	.000	IN.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

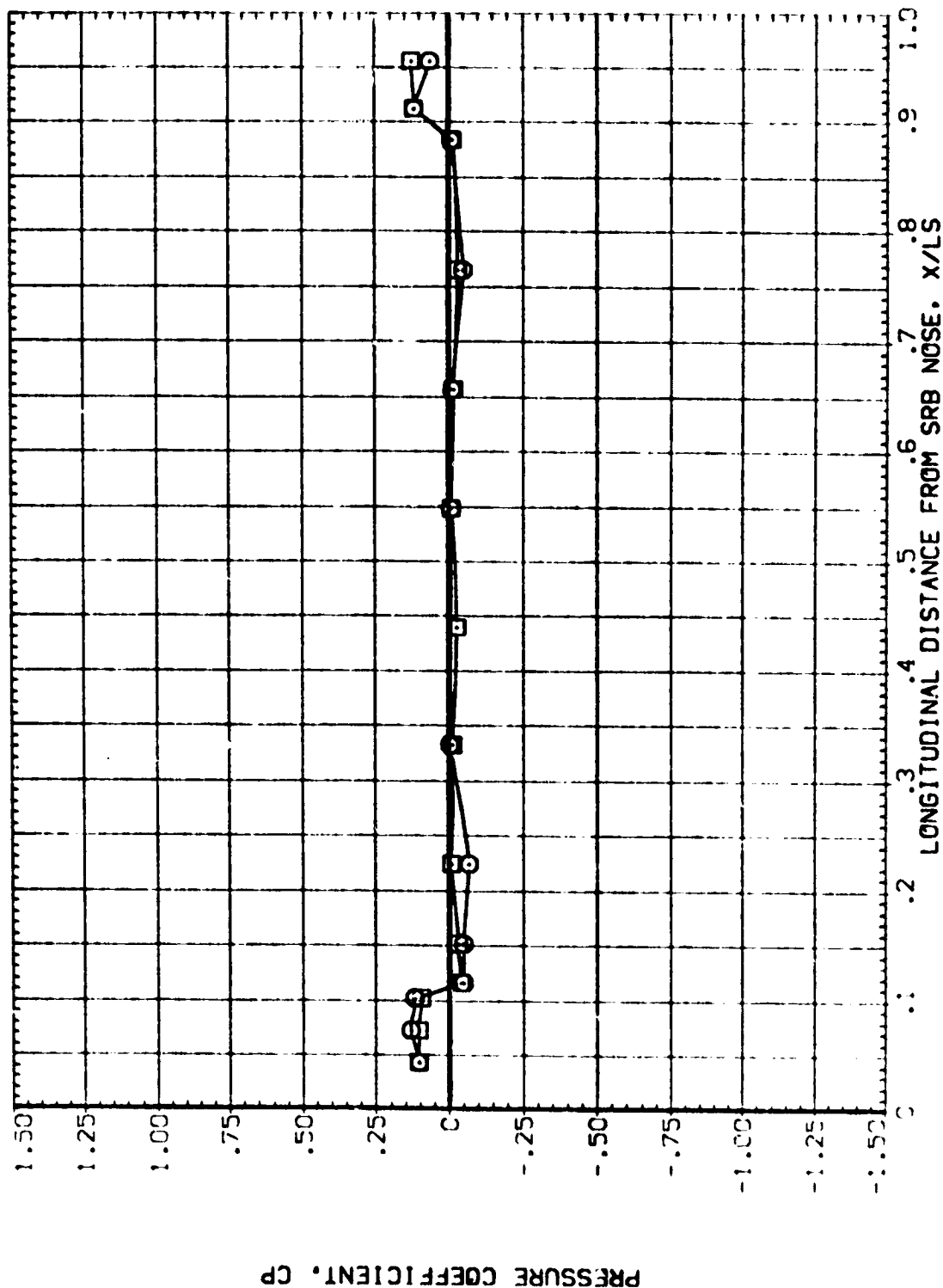
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	ALPHA	5.000	CONF IG	90.000	
○	270.000	4.000	3.480	LREF	DELTA Z	.140	RUDDER	.000	
□	292.500			BREF	X-SRB	.000	DRG INC	.500	
◇	315.000			XMRP					
				YMRP					
				ZMRP					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

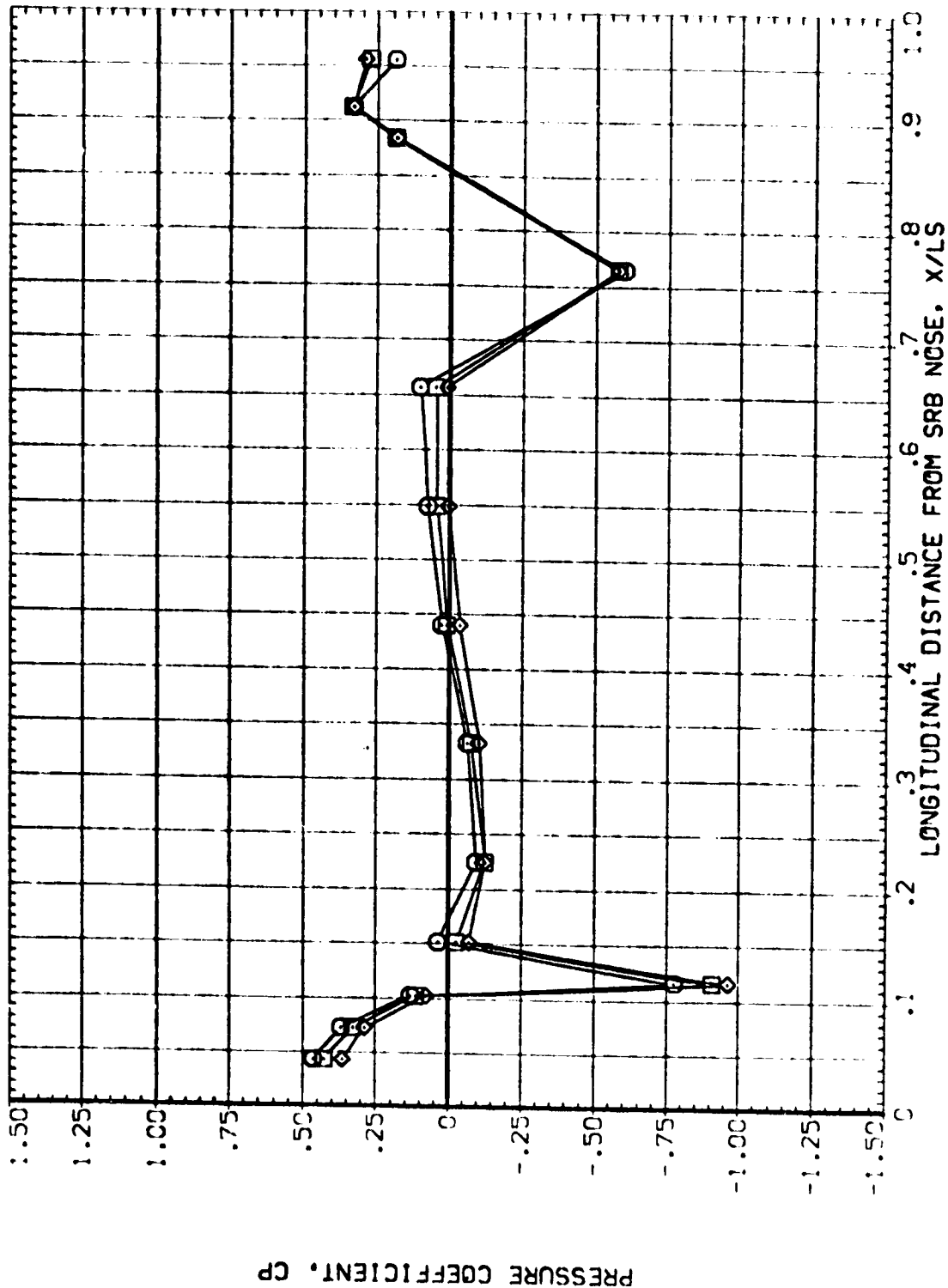
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	SO. IN.	ALPHA	90.000
○	337.500	4.000	3.480	LREF	5.313	IN.	DELTA Z	.000
□	360.000			BREF	5.313	IN.	X-SRB	.000
				XMRP	2.549	IN.	RUDER	.000
				YMRP	.972	IN.	DRG INC	.500
				ZMRP	.000	IN.		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

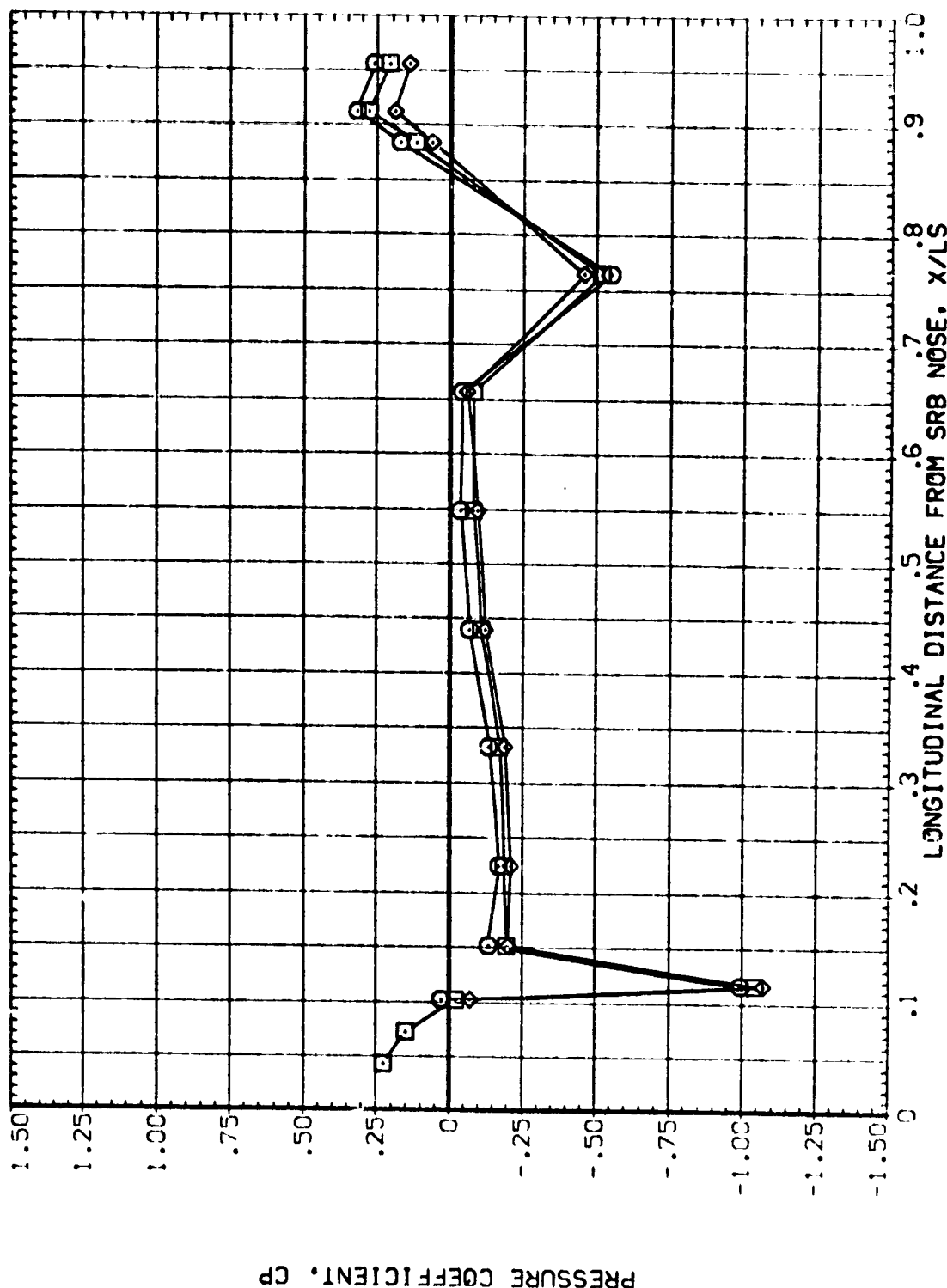
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	-5.000	CONF IG
	.000	-4.000	.900	LREF	5.313	IN.	DELTA Z	.140	RUDER
	22.500			BREF	5.313	IN.	X-SRB	.000	ORBIT INC
	15.000			XPRP	2.549	IN.			
				YPRP	.972	IN.			
				ZPRP	.000	IN.			
									90.000
									.000
									.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

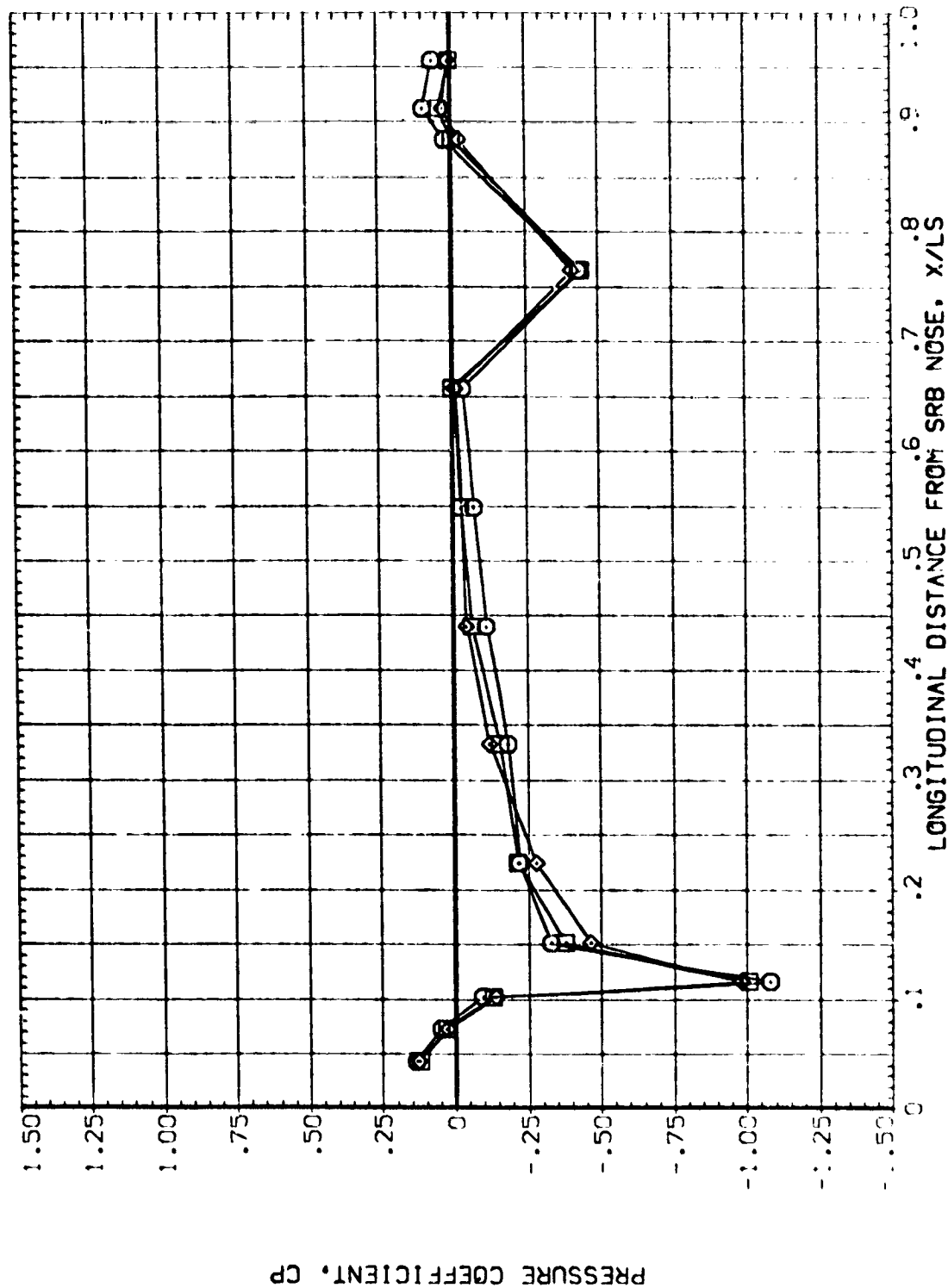
SYMBOL	PHI	BETA	MACH	REFERENCE DATA	SO. IN.	ALPHA	PARAMETRIC VALUES
○	67.500	-4.000	.900	SREF 6.198	IN.	DELTAZ	-5.000
□	90.000			LREF 5.313	IN.	DELTAZ	.140
◇	112.500			BREF 5.313	IN.	X-SRB	.000
				XMRP 2.549	IN.		
				YMRP .972	IN.		
				ZMRP .000	IN.		
							ORBITAL
							90.000
							.000
							.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

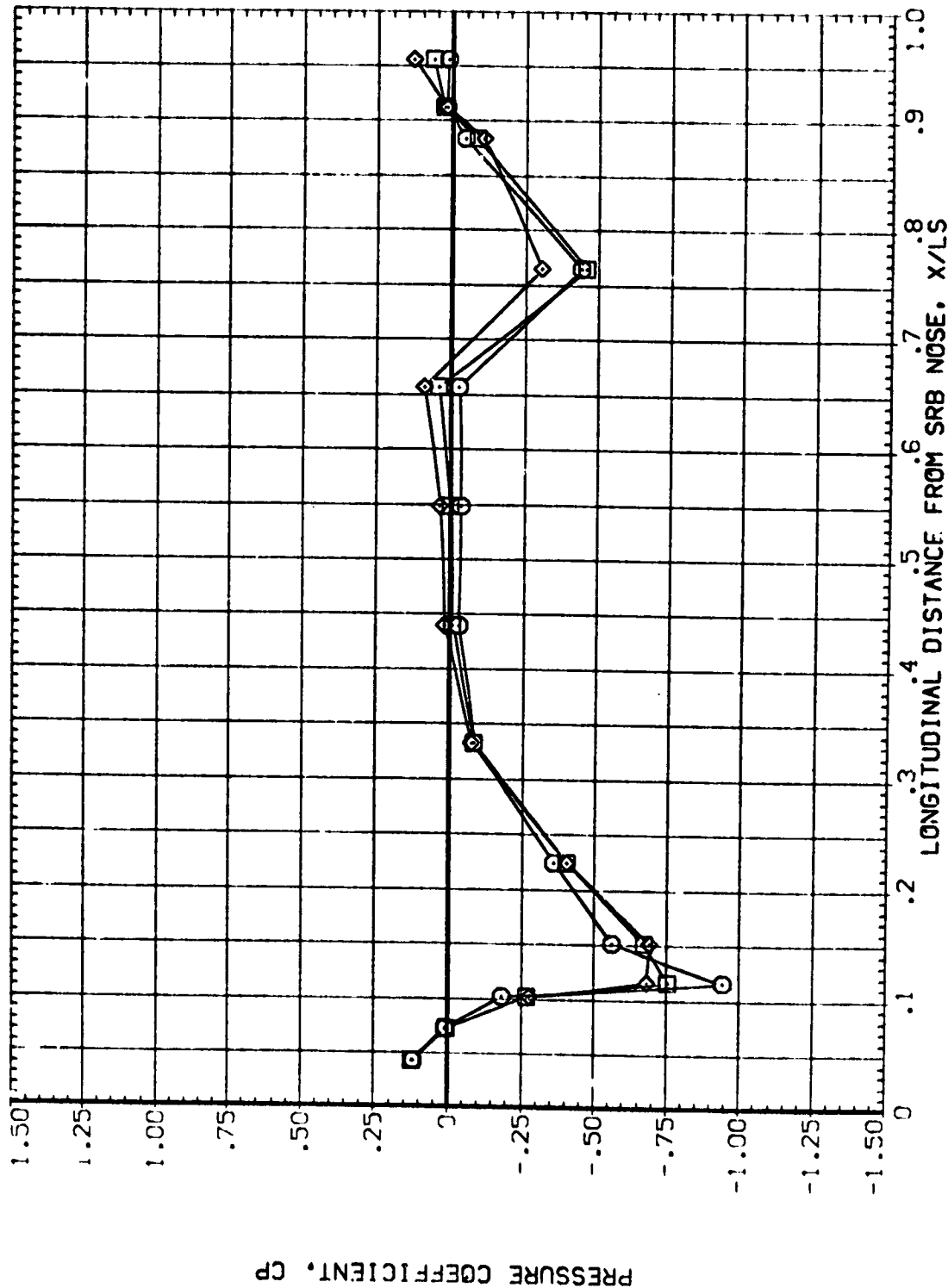
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ZMRP	SO. IN.	IN.	IN.
○	135.000	-4.000	.900	6.198	5.313	5.313	2.549	.972	50.000	CONFIE	50.000
□	157.500								.000	RUDDER	.000
◇	180.000								.000	ORBITING	.500
										ALPHA	
										DELTA Z	
										X-SRB	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

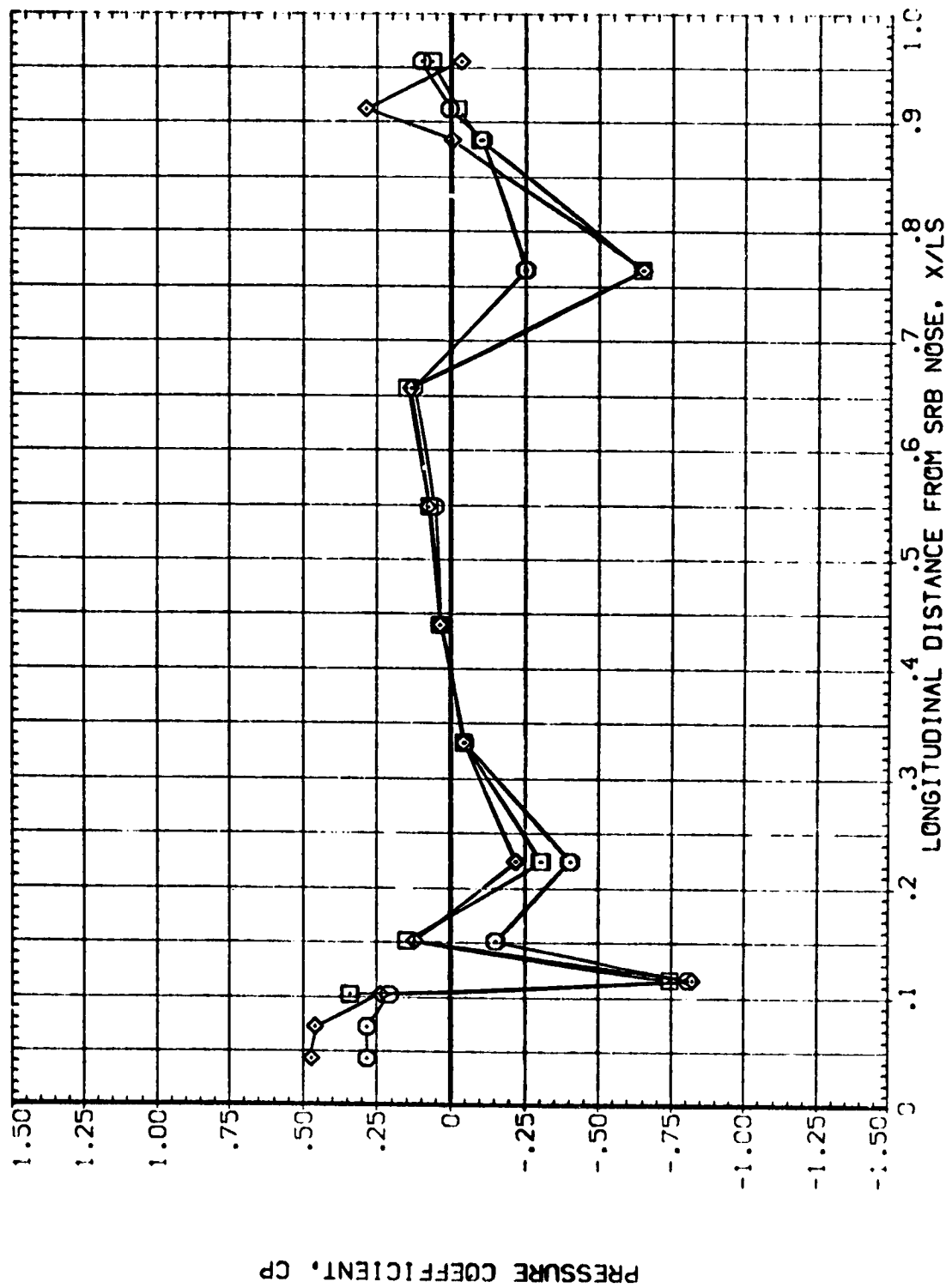
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SD.IN.	ALPHA	DELTAZ	CONFIG
○	202.500	-4.000	.900	6.198	5.313	5.313	2.549	IN.	-5.000	.140	RUDDER
□	225.000							IN.	.000	.000	ORBITAL
◇	247.500							IN.			
								IN.			
								IN.			
								IN.			
								IN.			
								IN.			
								IN.			
								IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

SYMBOL	P-1	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	270.000	-4.000	.900	SREF 6.198	-5.000 CONF 16 90.000
□	292.500			LREF 5.313	.140 RUDDER .000
◇	315.000			BREF 5.313	.000 ORBINC .500
				XMRP 2.549	
				YMRP .972	
				ZMRP .000	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

Symptoms

PMI
337.500
360.000

BETA
-4.000

006. MACH

REFERENCES

DATA 1981

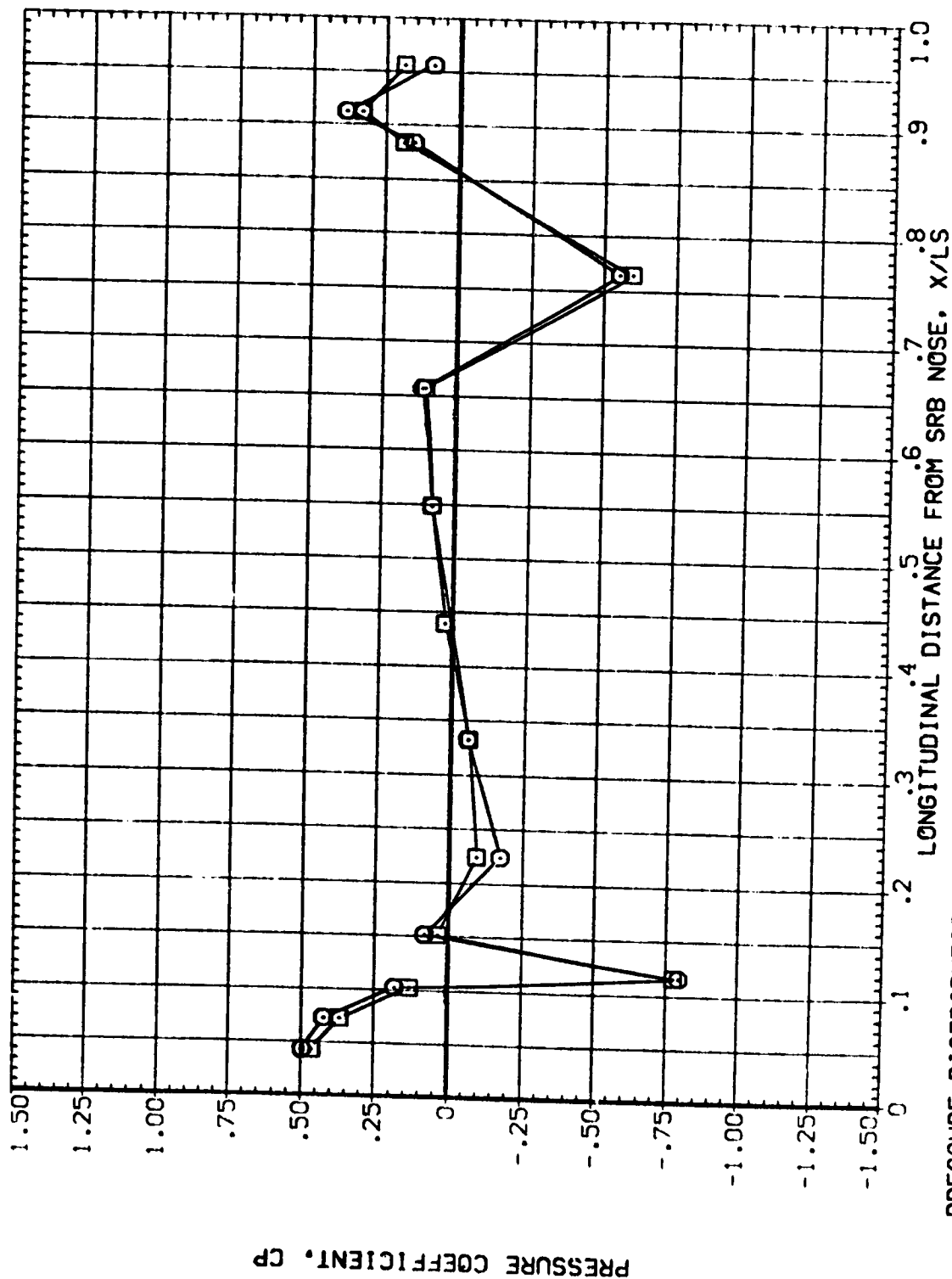
 \leq

AlPHA

-5 000
PARAMET

VALUES
CONST

88



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

514902

145

145

AL3B

BETA

MACH

MACH

REF

REFERENCE

DATA

DATA

Q

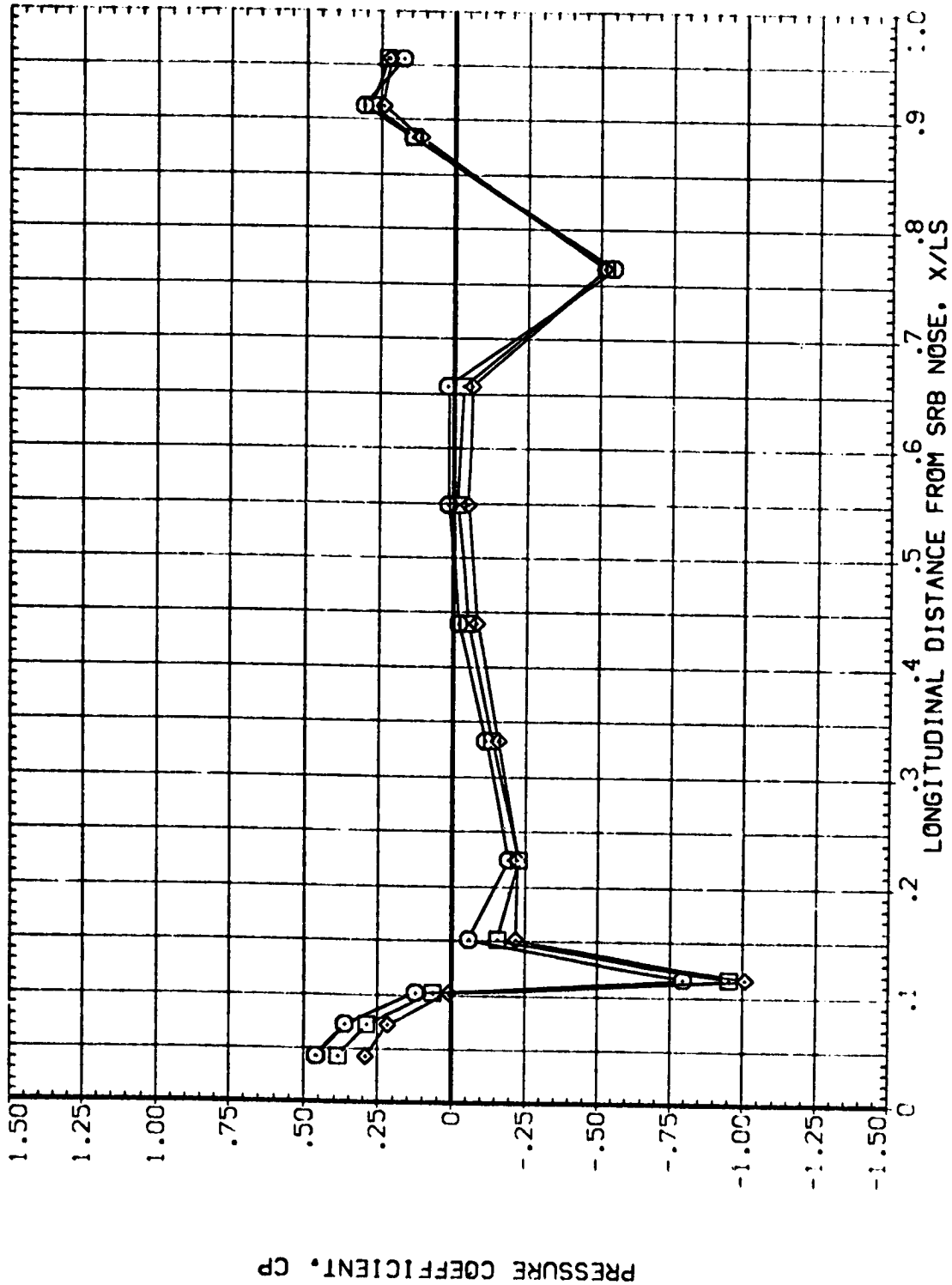
PARA

TRIC

TRIC VAL

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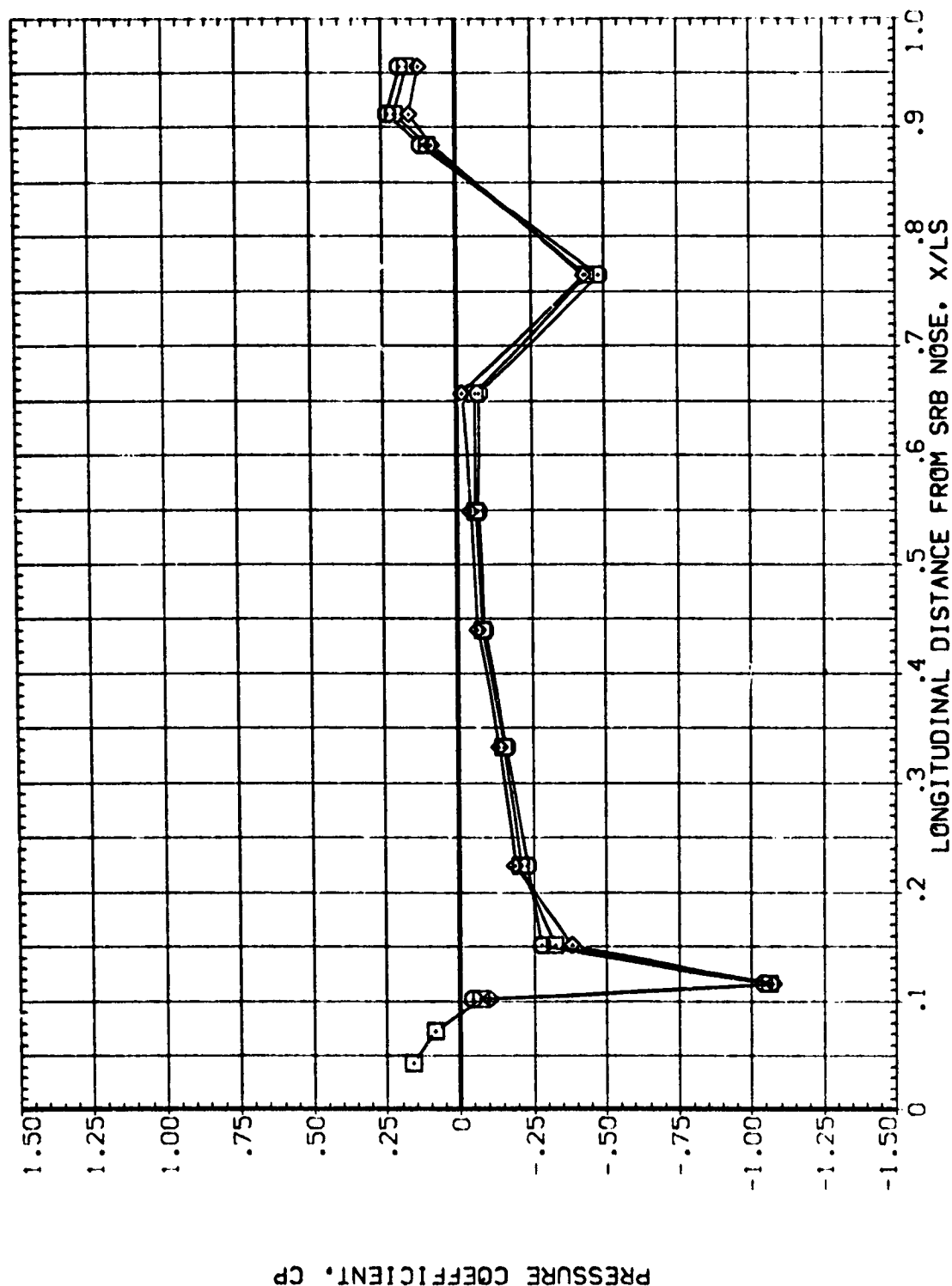
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PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

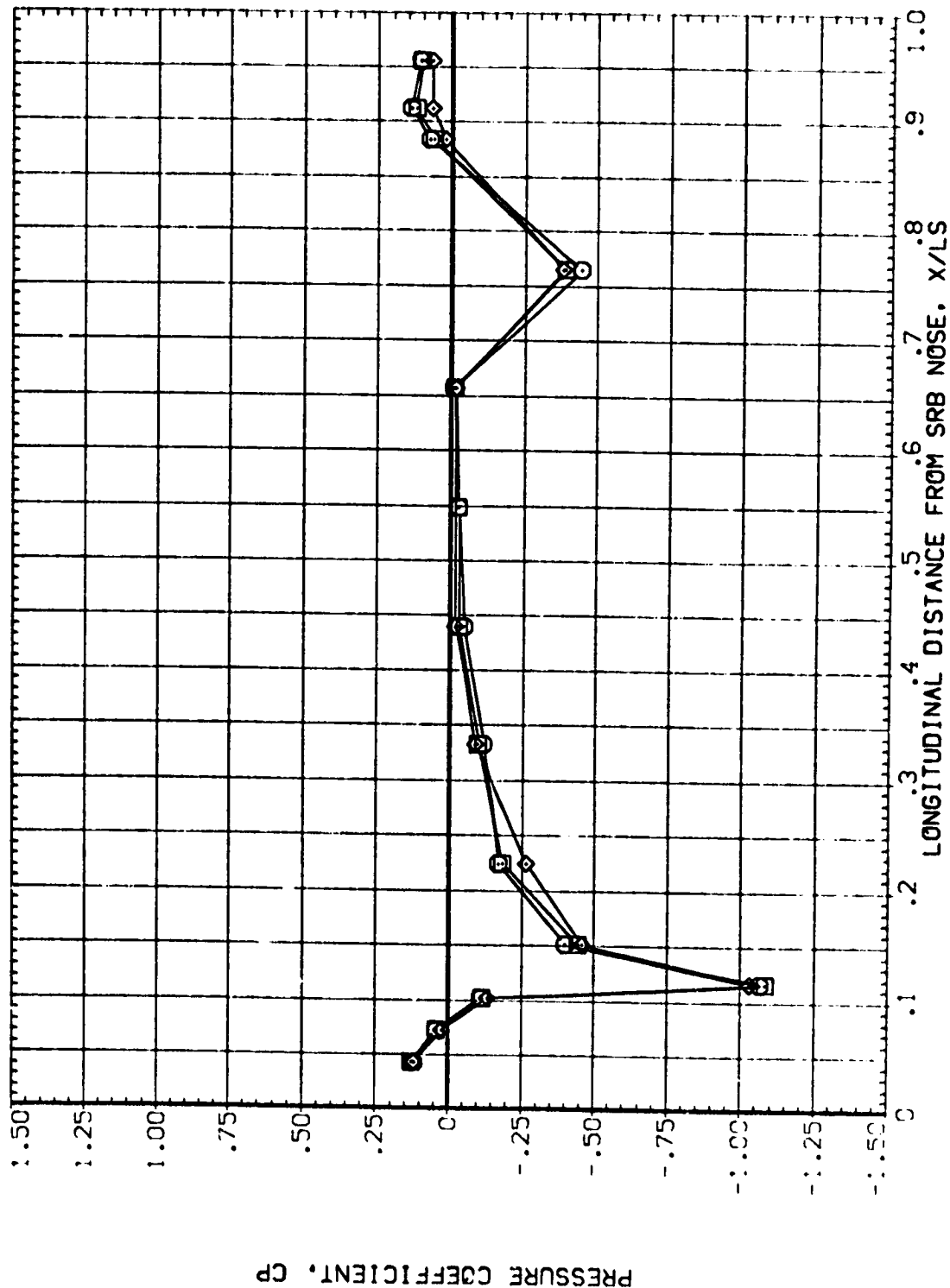
SYMBOL	PHI		BETA		MACH		REFERENCE DATA				PARAMETRIC VALUES			
	67.500	90.000	.000	.000	.900	.900	SREF	LREF	BREF	XMRP	ZMRP	50. IN.	IN.	IN.
◇	112.500						6.198	5.313	5.313	2.549	.972	.000	.000	.000
□												.140	.000	.000
○												.000	.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

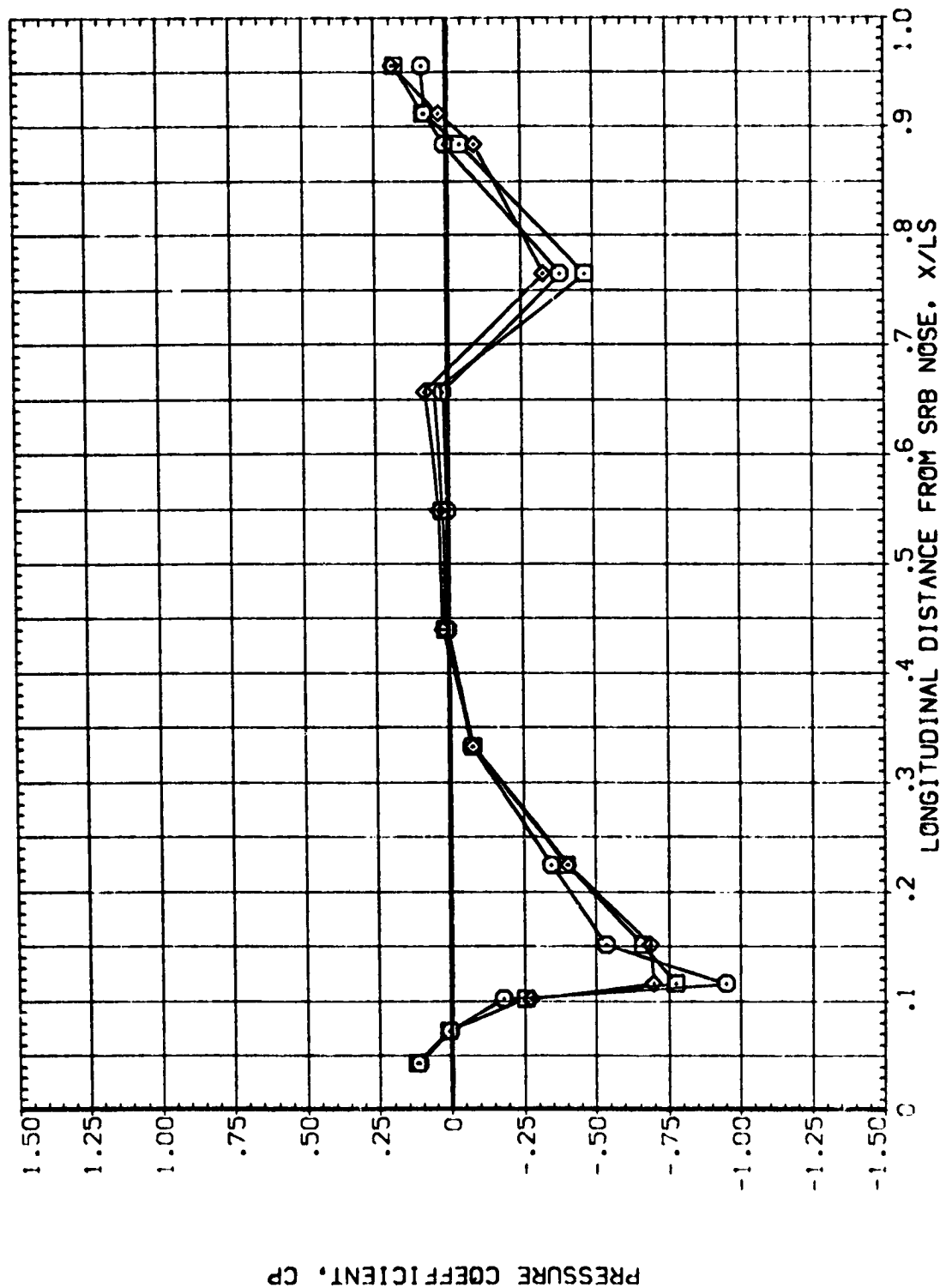
SYMBOL	PHI	BETA	MACH	REFERENCE DATA						PARAMETRIC VALUES				
				SREF	LREF	BREF	XPRP	YPRP	ZPRP	SO IN.	ALPHA DELTAZ X-SRB	-5.000	CONF IG	90.000
○	135.000	.000	.900	6.198	5.313	5.313	2.549	.972	.000	IN.	IN.	.140	RUDDER	.000
□	157.500									IN.	IN.	.000	ORB INC	.500
◇	180.000									IN.	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

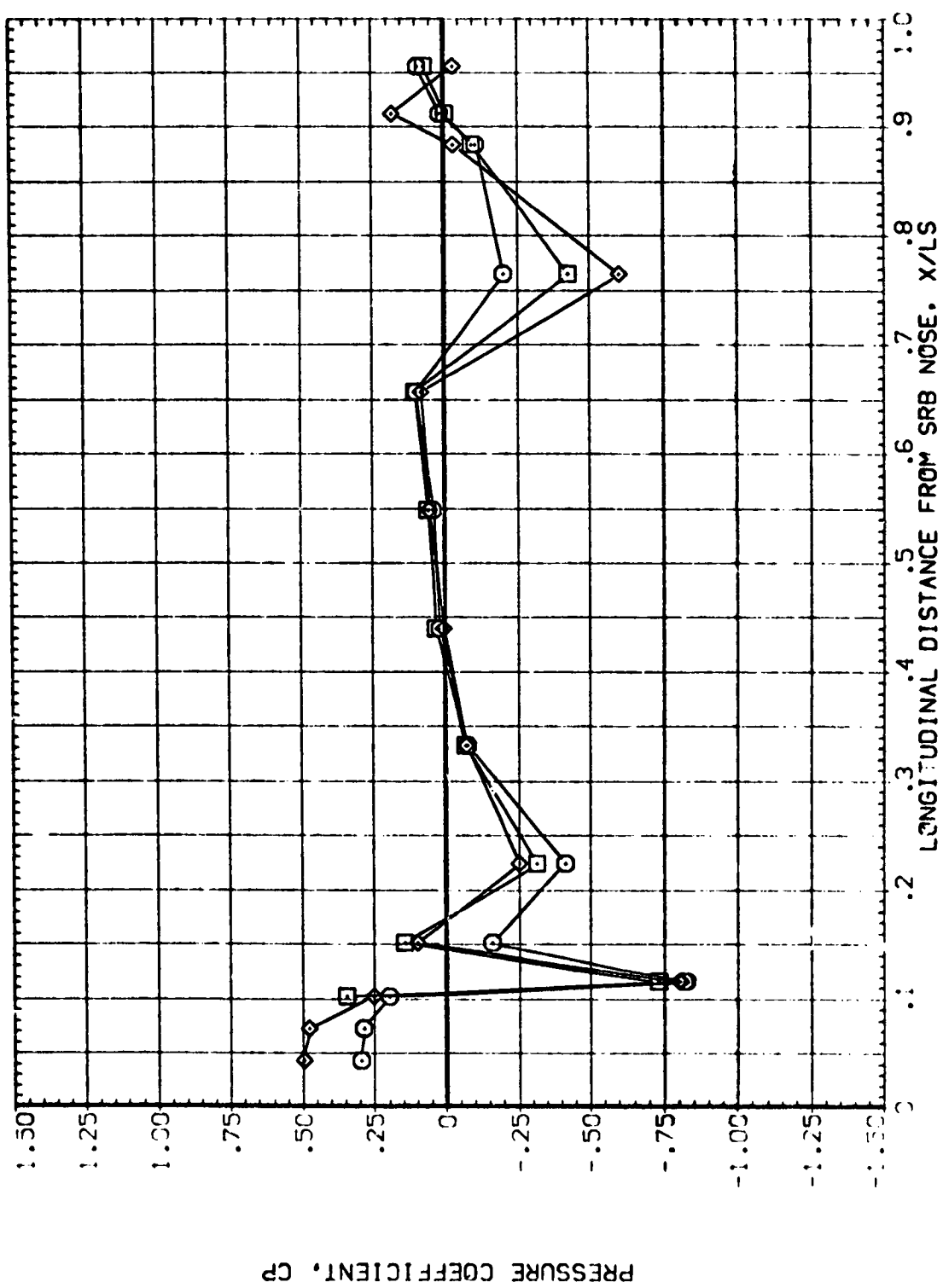
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SO, IN.	CONF IG	
○	202.500	.000	.900	LREF	5.313	.140	90.000
□	225.000			BREF	5.313	RUDDER	.000
◇	247.500			XPRP	2.548	.000	.500
				YPRP	.972	ORBIT INC	
				ZPRP	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

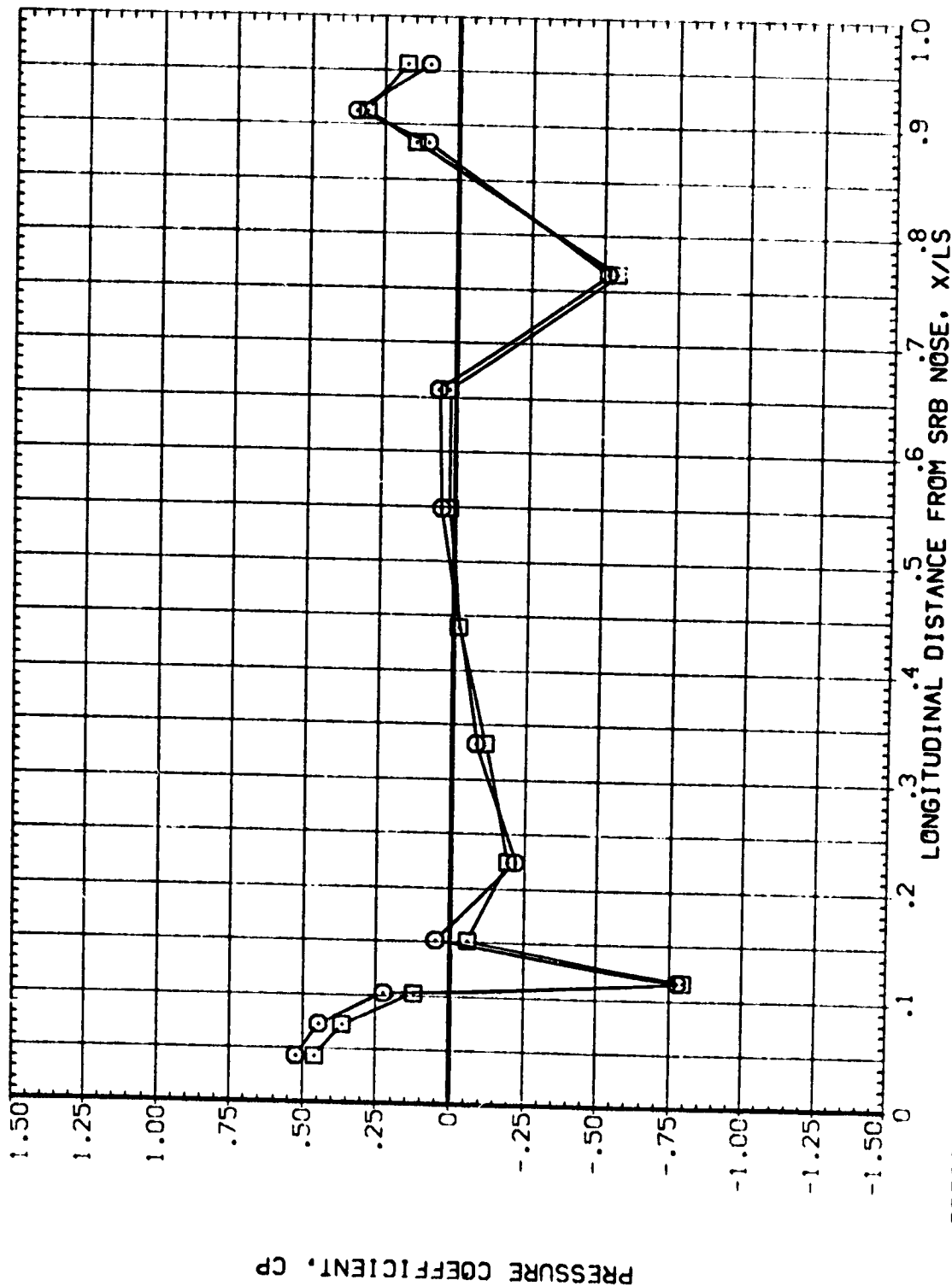
SYMBOL	P-1	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	5.198	50. IN.	CONF IG
○	270.000	.000	.900	LREF	5.313	IN.	RUDDER
□	292.500			BREF	5.313	IN.	.140
◇	315.000			XMRP	2.549	IN.	.000
				YMRP	.972	IN.	ORBITAL
				ZMRP	.000	IN.	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

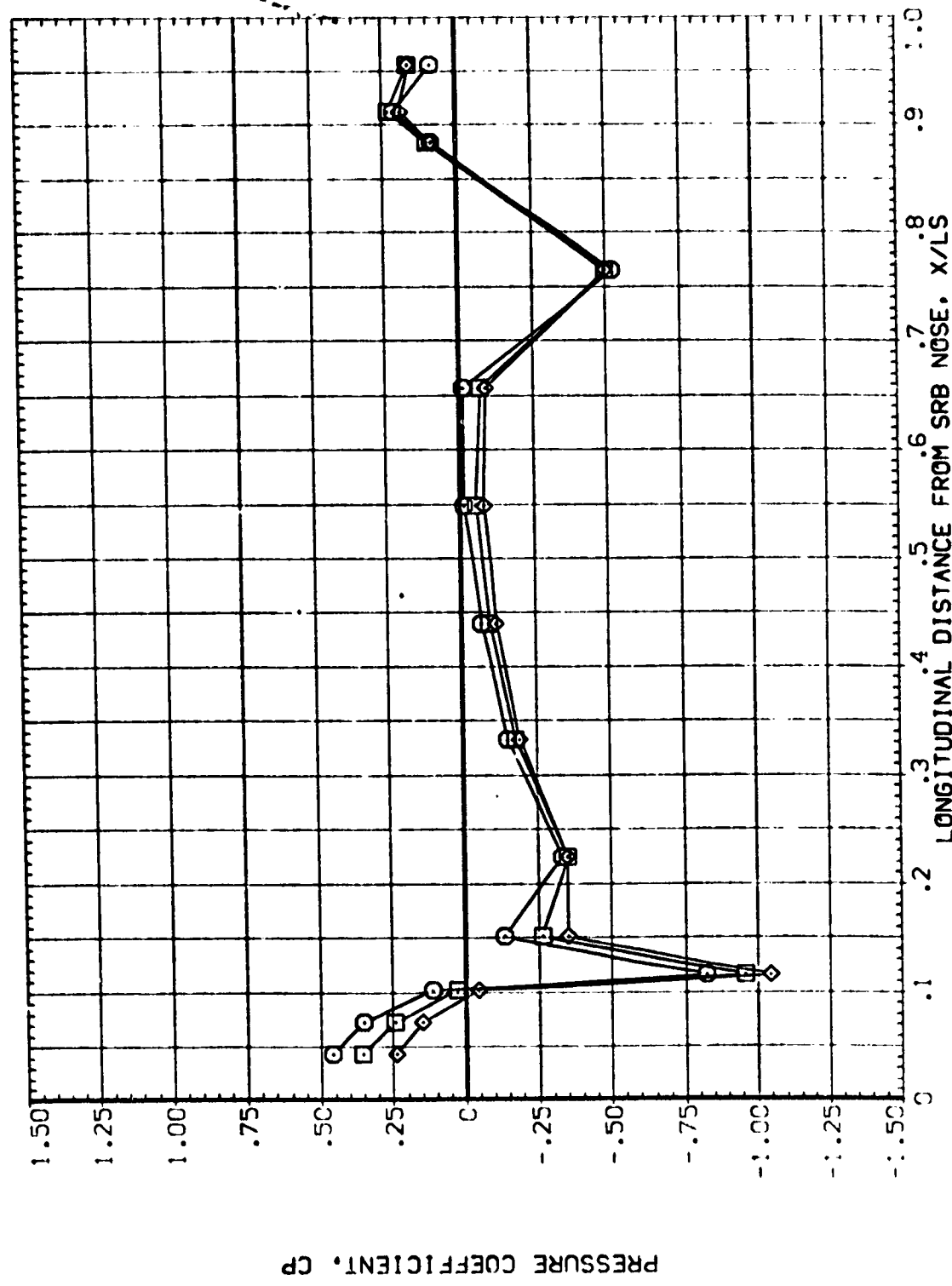
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	-5.000	90.000
	337.500	.000	.900	LREF	5.313	IN.	DELTA Z	.140	RUDDER
	360.000			BREF	5.313	IN.	X-SRB	.000	DRBINC
				XMRP	2.549	IN.			
				YMRP	.972	IN.			
				ZMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

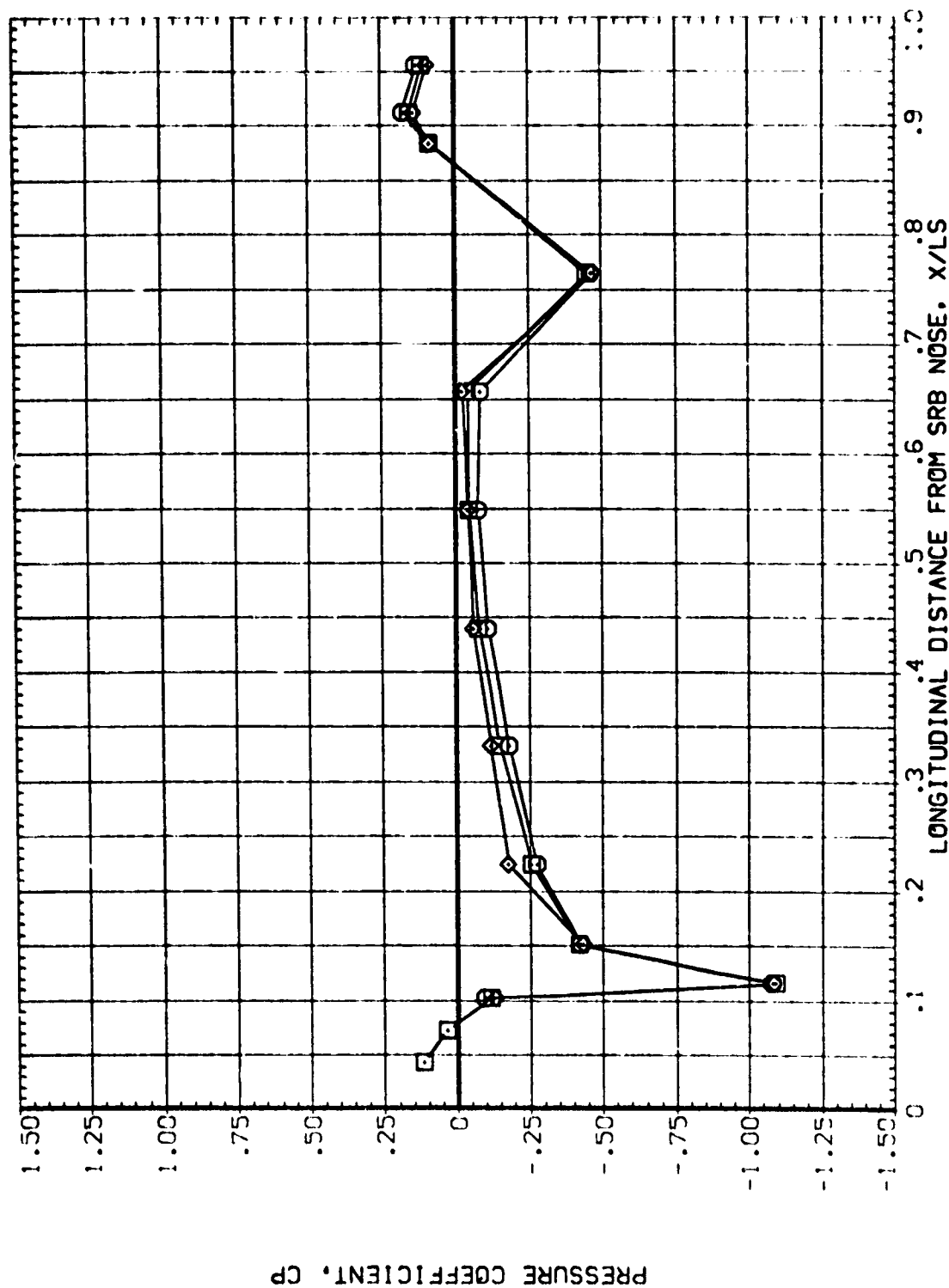
SYMBOL	P+1	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SD. IN.	ALPHA	CONF IG	
○	.000	4.000	.900	6.198	5.313	5.313	2.549	IN.	DELTA Z	.140	RUDDER
□	22.500							IN.	X-SRB	.000	ORBITAL
◇	45.000							IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

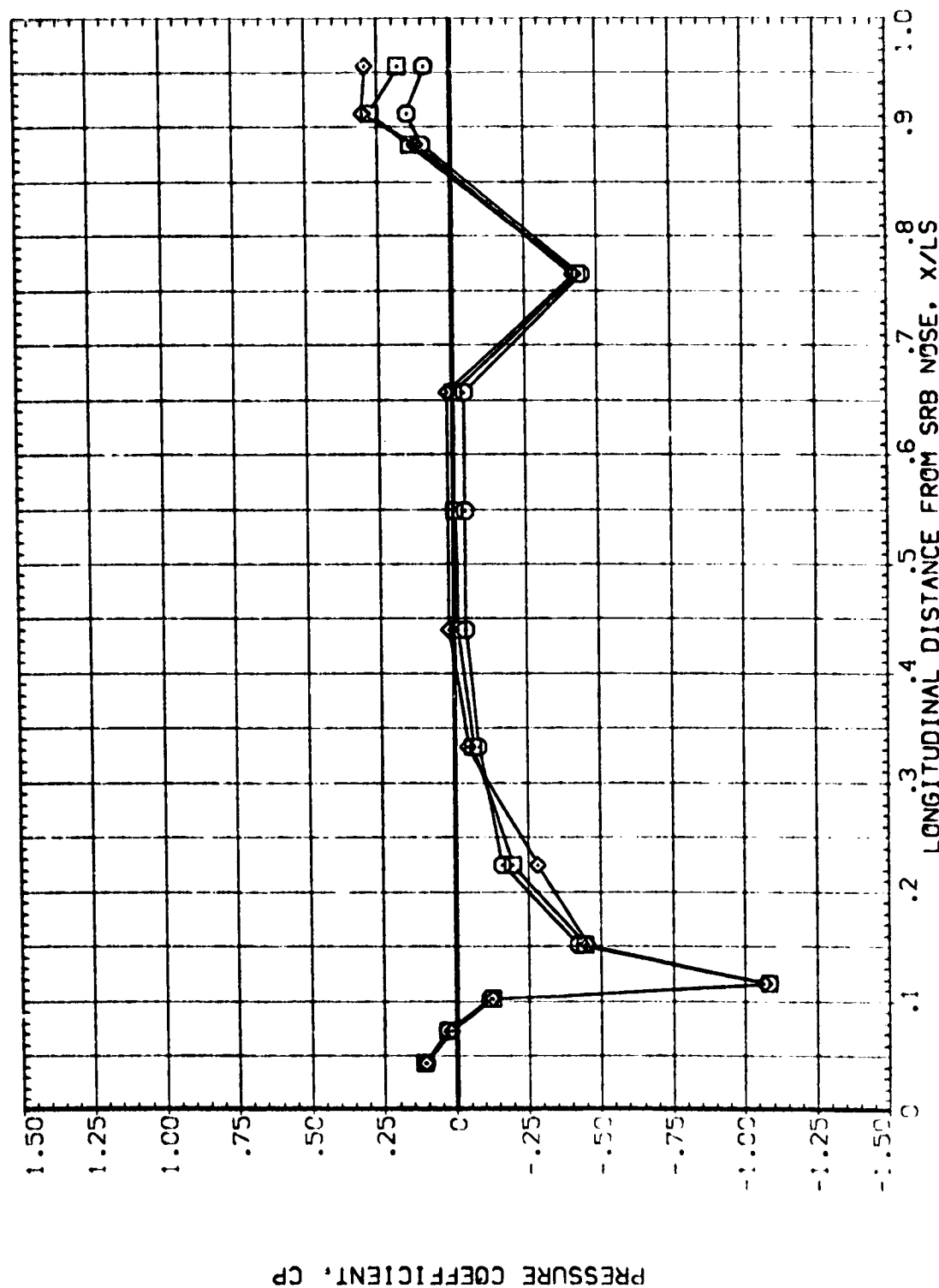
SYMBOL	PHI	BETA	MACH	REFERENCE DATA			PARAMETRIC VALUES		
				SREF	LREF	BREF	ALPHA	DELTAZ	CONFIG
○	67.500	4.000	.900	6.198	5.313	5.313	-5.000	.140	RUDDER
□	90.000			2.549	2.549	2.549	.000	.000	ORIGIN
◇	112.500			.972	.972	.972			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

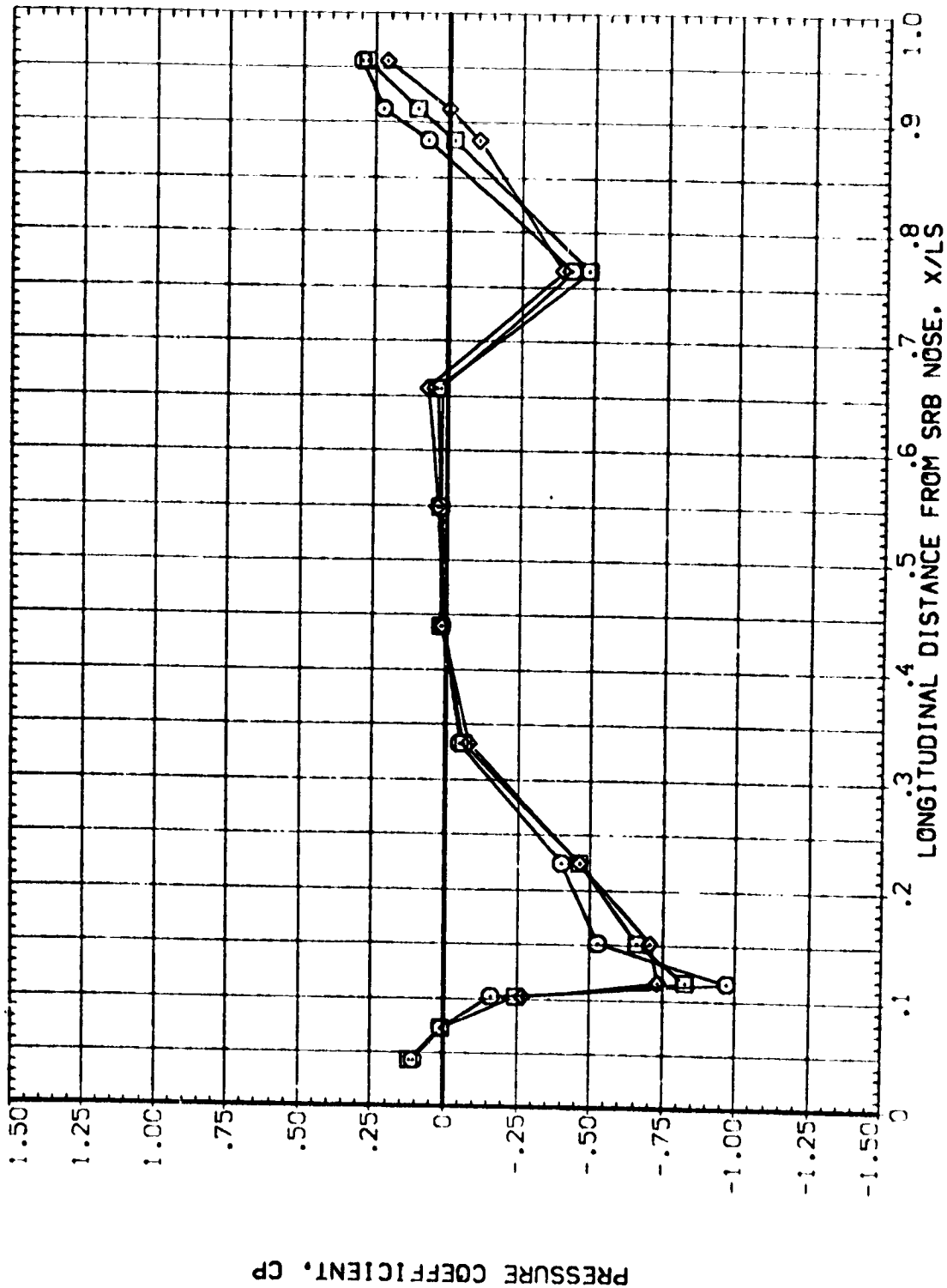
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SO. IN.	ALPHA	-S.000	CONF IG
○	135.000	4.000	.900	LREF	5.313	IN.	DELTA Z	.140	RUDDER
□	157.500			BREF	5.313	IN.	X-SRB	.000	ORBIT NC
◇	160.000			XMRP	2.549	IN.			
				YMRP	.972	IN.			
				ZMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

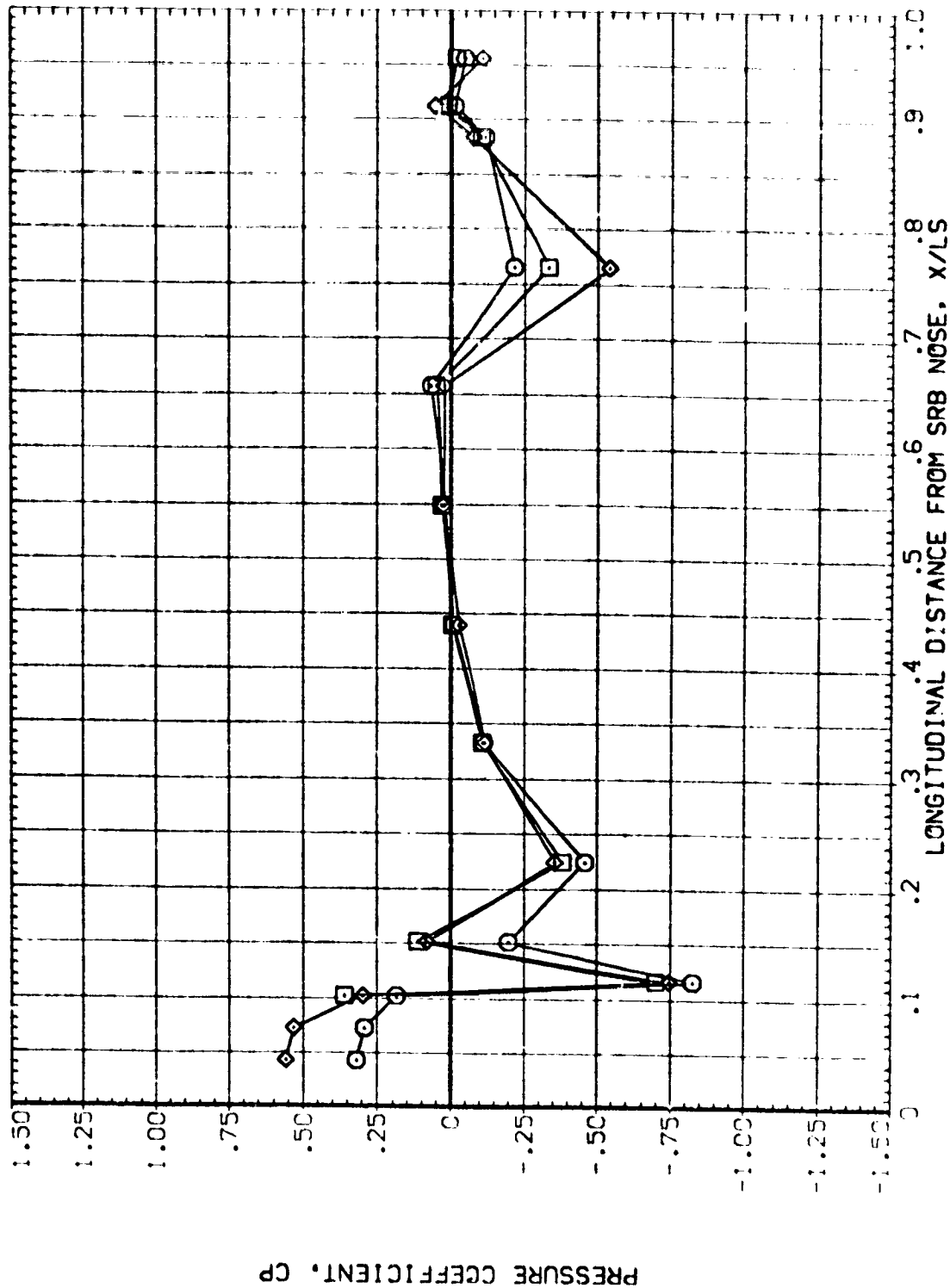
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XPRP	SQ. IN.	ALPHA	DELTA Z	CONFIG
□	202.500	4.000	.900	6.198	5.313	5.313	2.949	IN.	-5.000	.140	098 INC
○	225.000						.972	IN.	.000	.000	
◇	247.500						.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

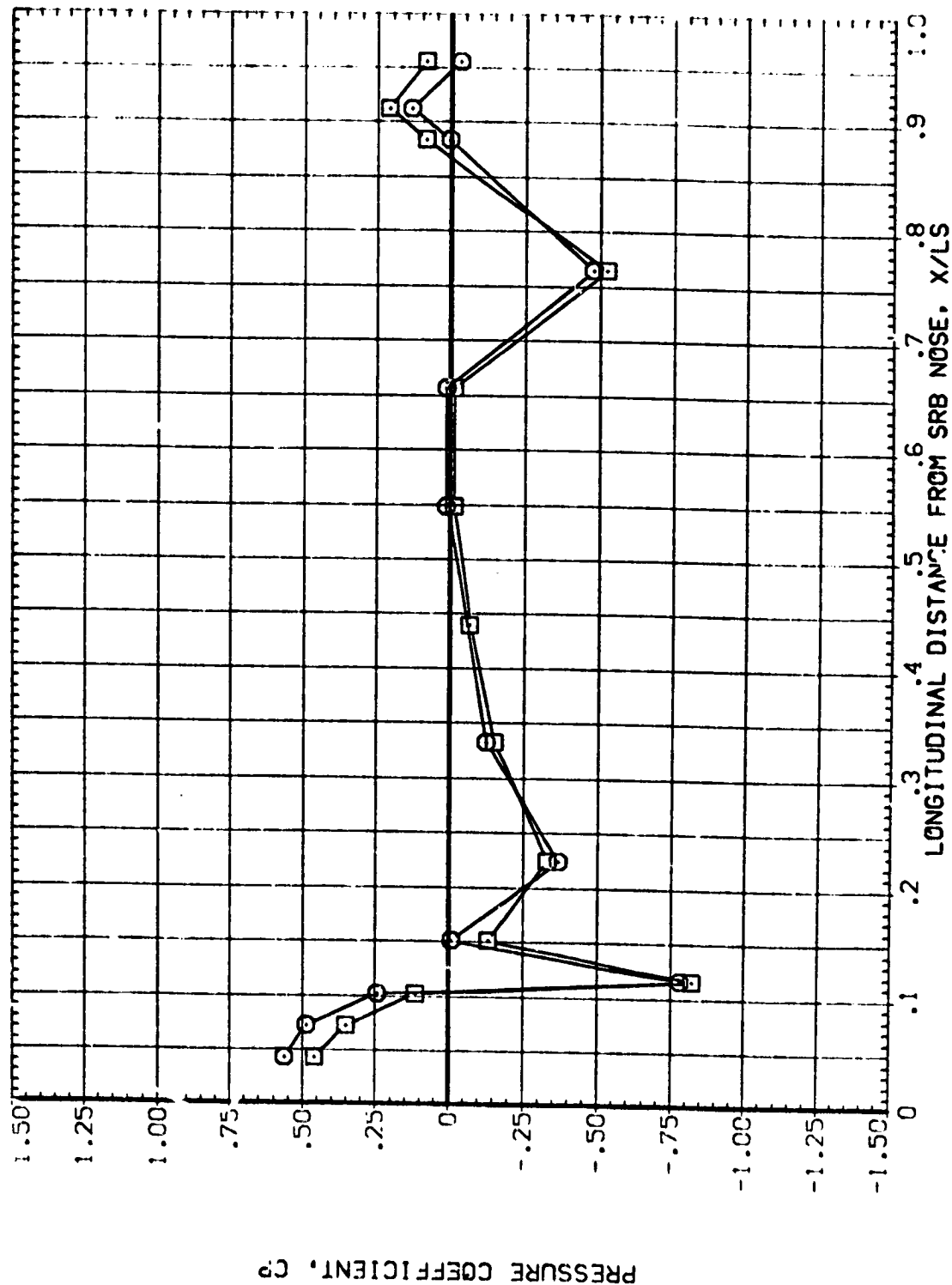
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	SO. IN.	ALPHA	-5.000
○	270.000	4.000	.900	LREF	5.313	IN.	DELTA Z	.140
□	292.500			BREF	5.313	IN.	X-SRB	.000
◇	315.000			YMRP	2.549	IN.	SRB INC	.500
				ZMRP	.972	IN.		
					.000	IN.		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

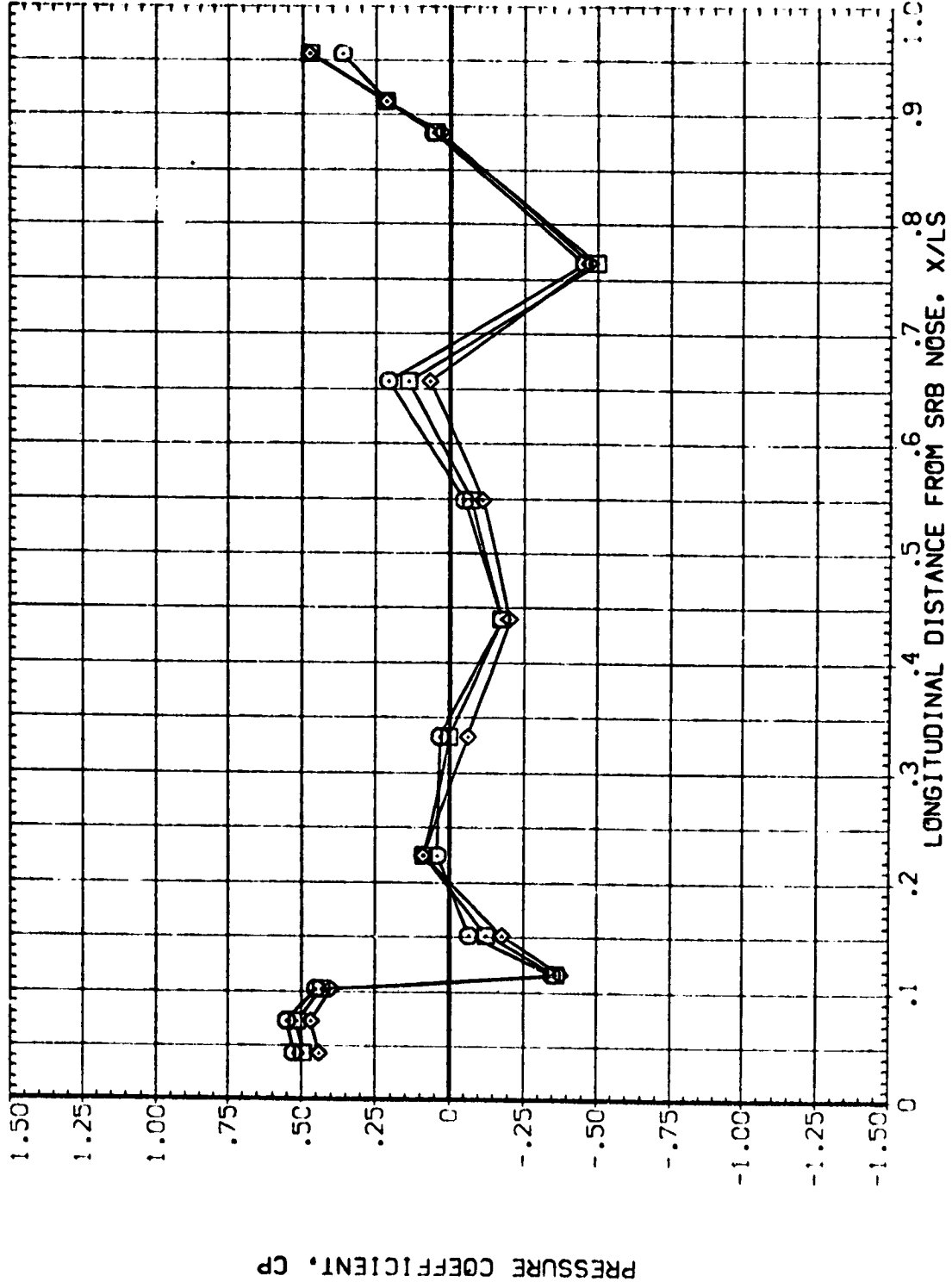
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTAZ
○	337.500	4.000	.500	6.198	5.313	5.313	2.549	.972	.000	-5.000	.140
□	360.000									.000	.000
										.000	.500
										.000	.000
										.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

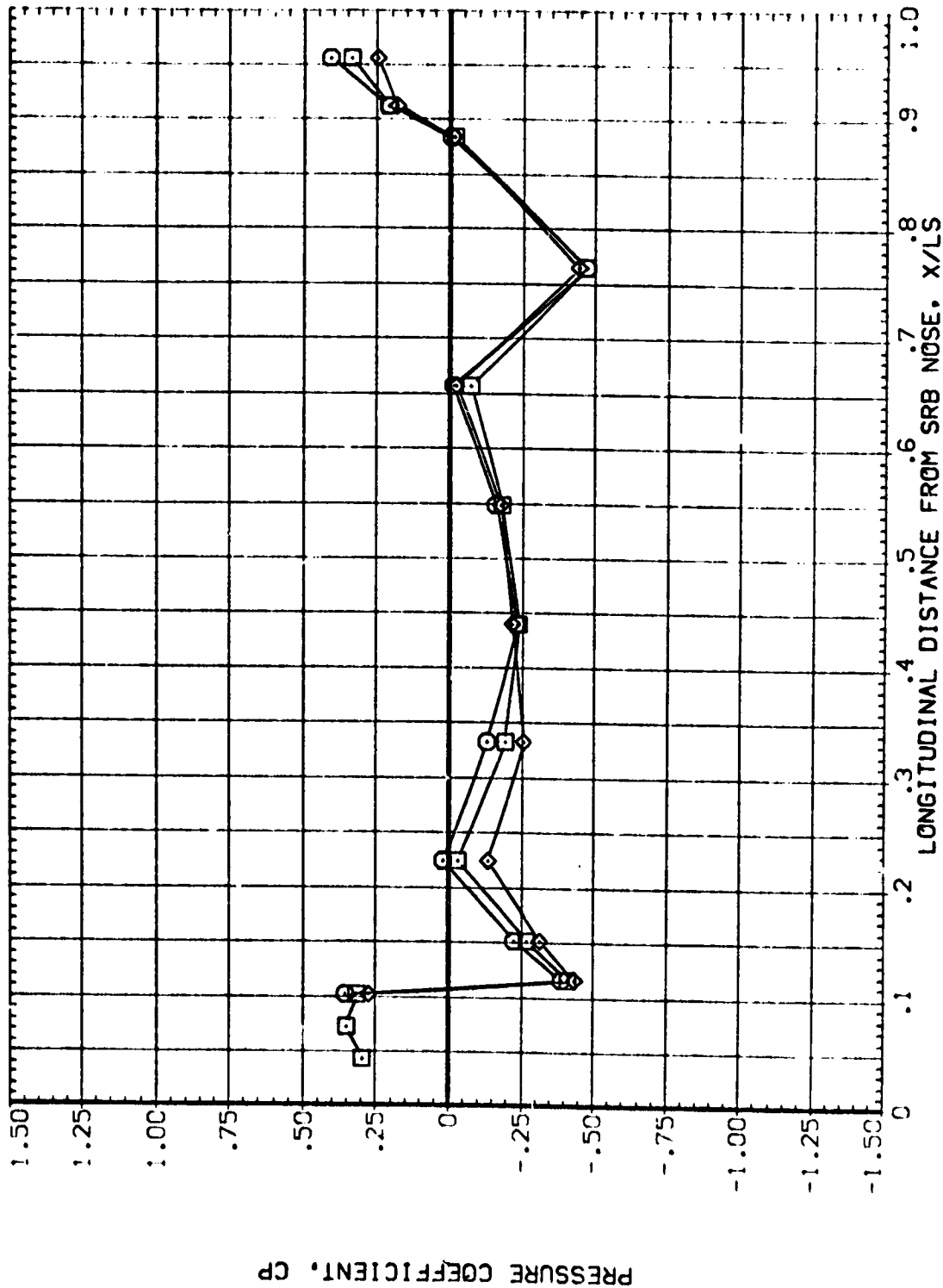
S-MOD	PHI	BETA	MACH	REFERENCE DATA					PARAMETRIC VALUES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTA Z	X-SRB	CONF IG	RUDDER	DSB INC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
□	.000	-4.000	1.250																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

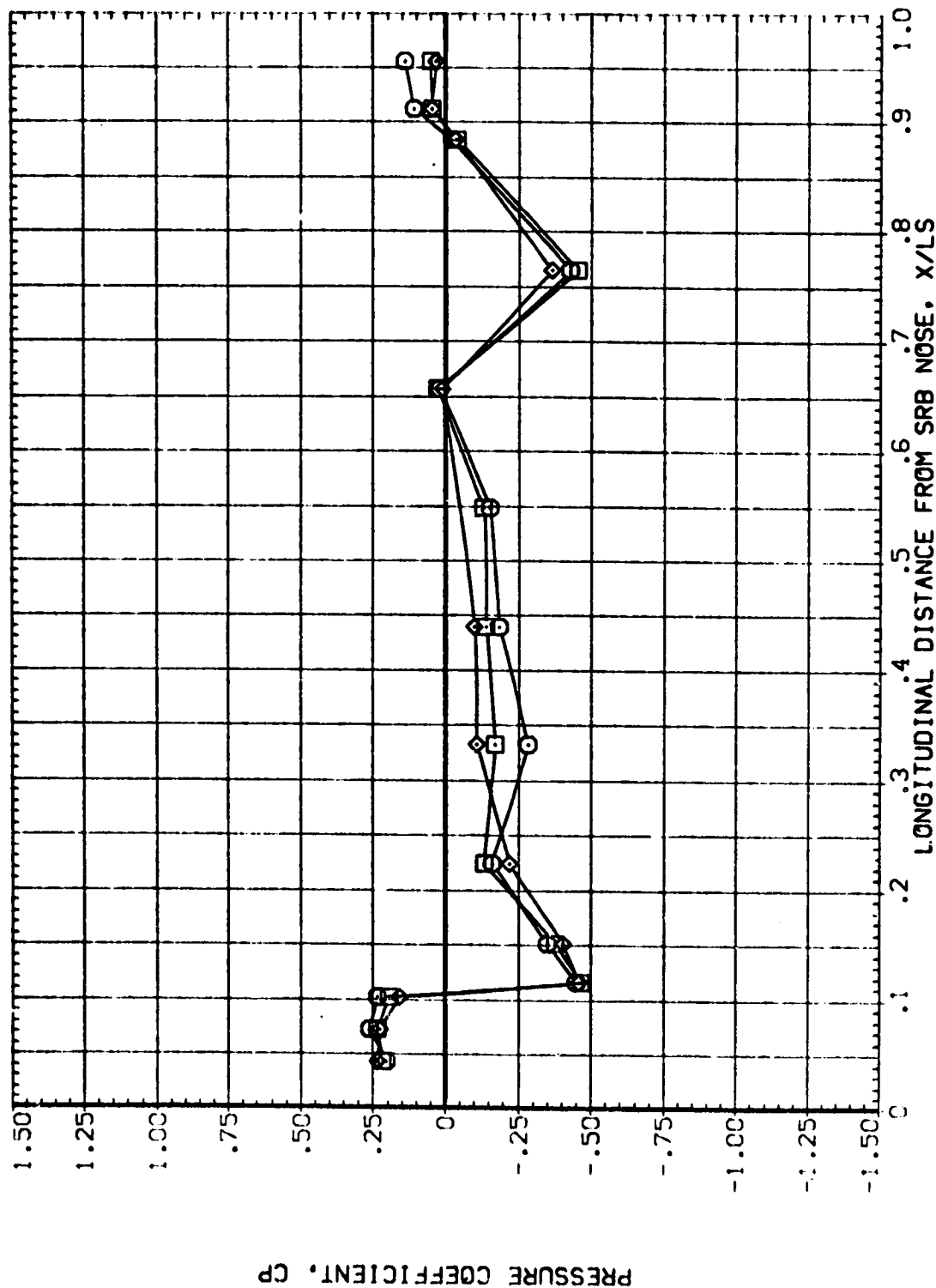
SYMBOL	REFERENCE DATA		PARAMETRIC VALUES	
	SRF	SO. IN.	CONF IG	
□	5.198	IN.	-5.000	90.000
◇	5.313	IN.	.140	.000
	5.313	IN.	.000	.500
	2.549	IN.		
	.972	IN.		
	.000	IN.		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

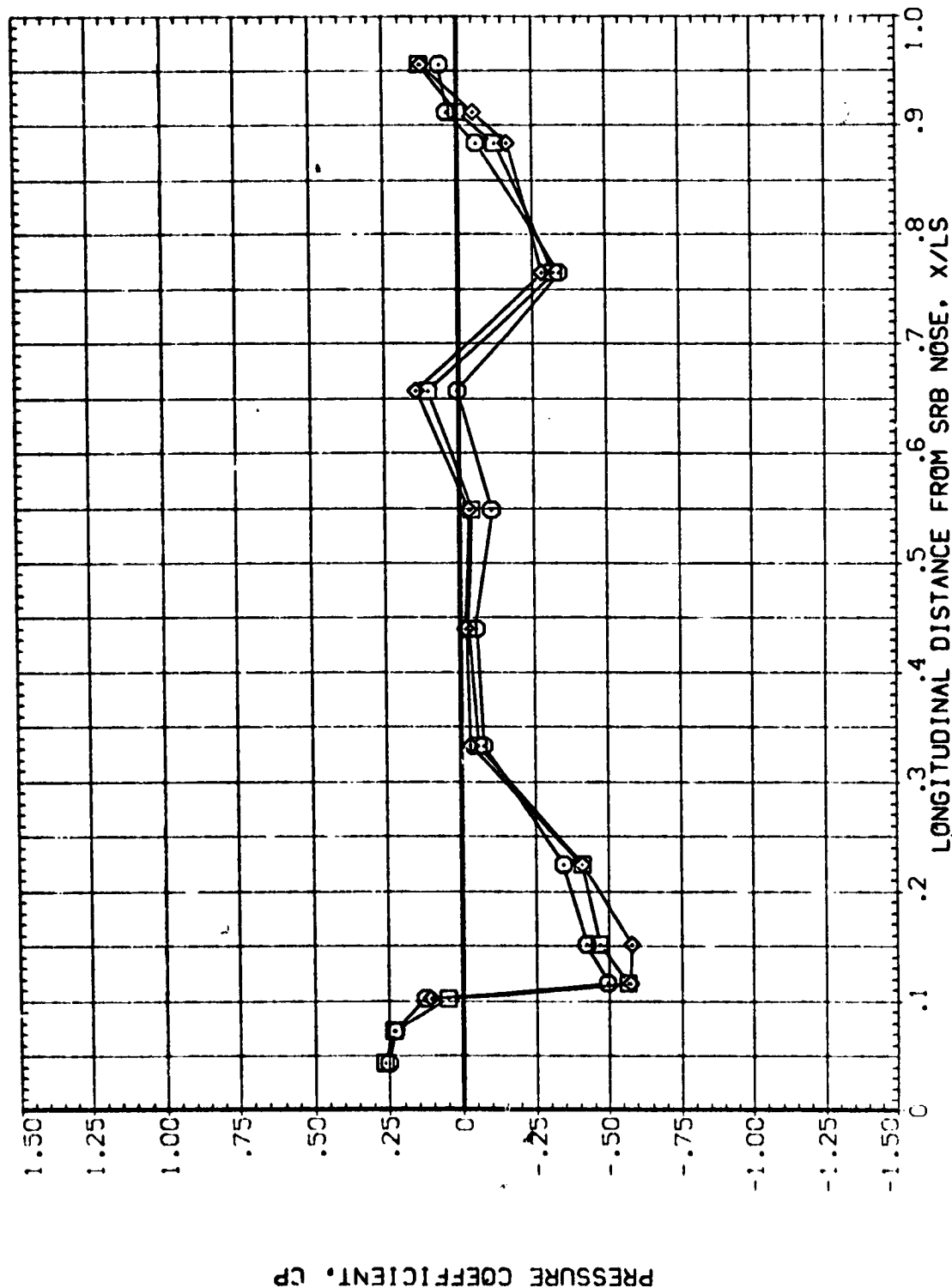
SYMBOL	PHI	BETA	MACH	REFERENCE DATA			PARAMETRIC VALUES			
				SREF	LREF	BREF	SG IN.	ALPHA	CONF IG	90.000
□	135.000	-4.000	1.250	6.198	5.313	5.313	IN.	DELTA Z	.140	.000
◇	157.500			2.549			IN.	X-SRB	.000	.500
	180.000			.972			IN.			
				.000			IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

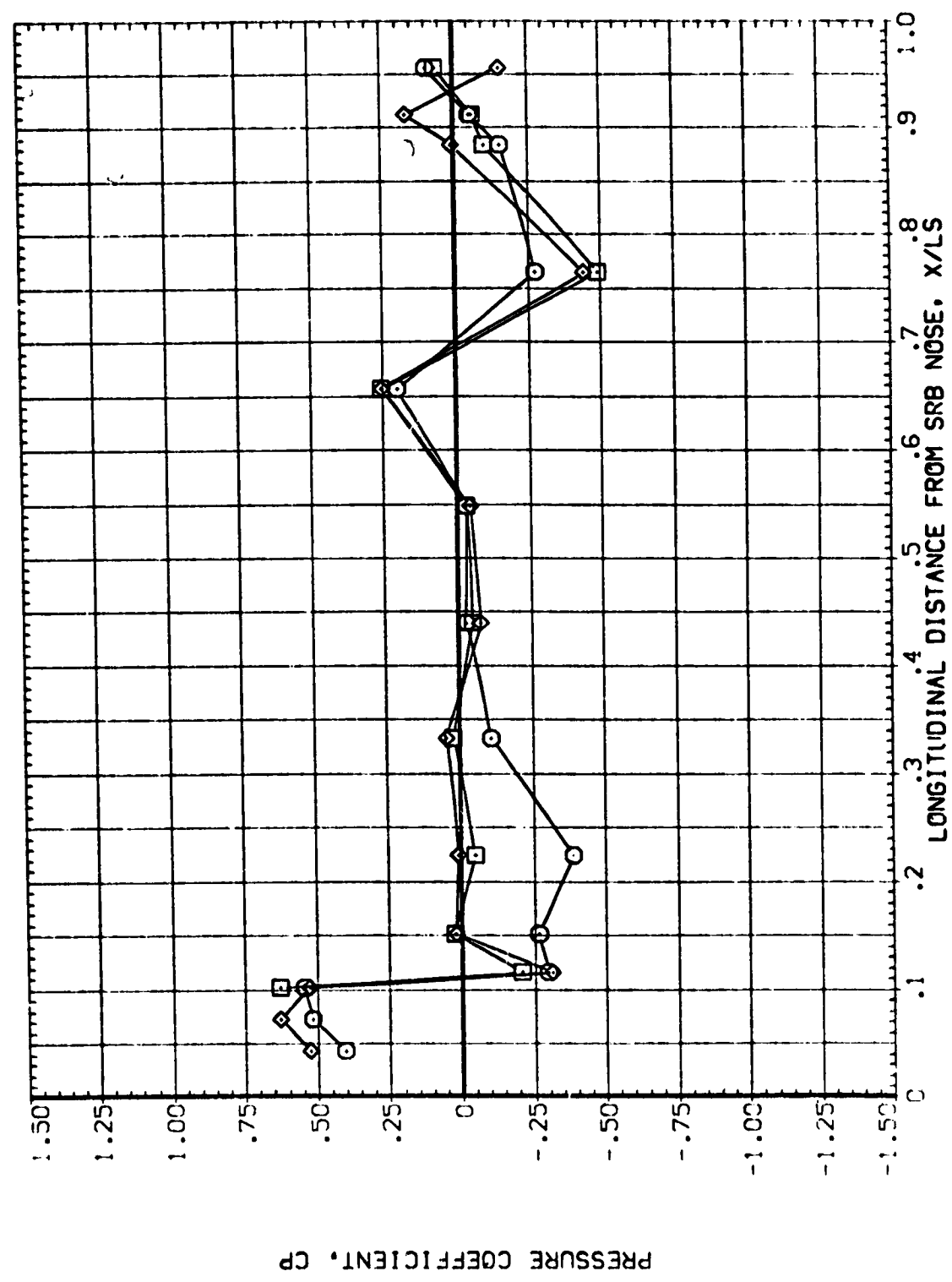
SYMBOL	PAI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	ALPHA	-5.000	CONF1G
	202.500	-4.000	1.250	LREF	5.313	DELTAZ	.140	RUDDER
	225.000			BREF	5.313	X-SRB	.000	ORBIT
	247.500			YMRP	2.549			
				ZMRP	.972			
					.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

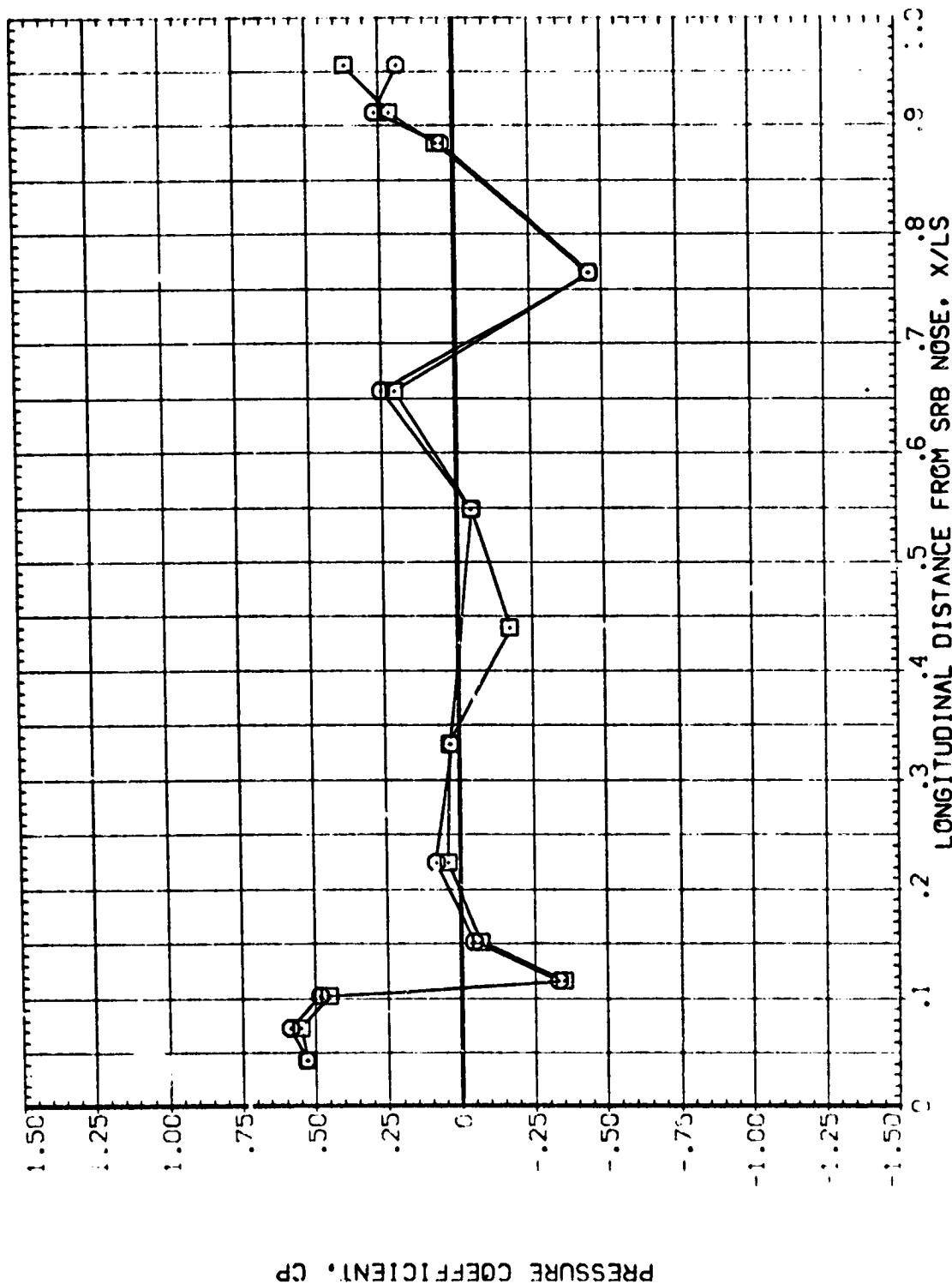
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTA Z
○	270.000	-4.000	1.250	6.198	5.313	5.313	2.549	.972	.000	-5.000	.140
□	292.500									.000	.000
◇	315.000									.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

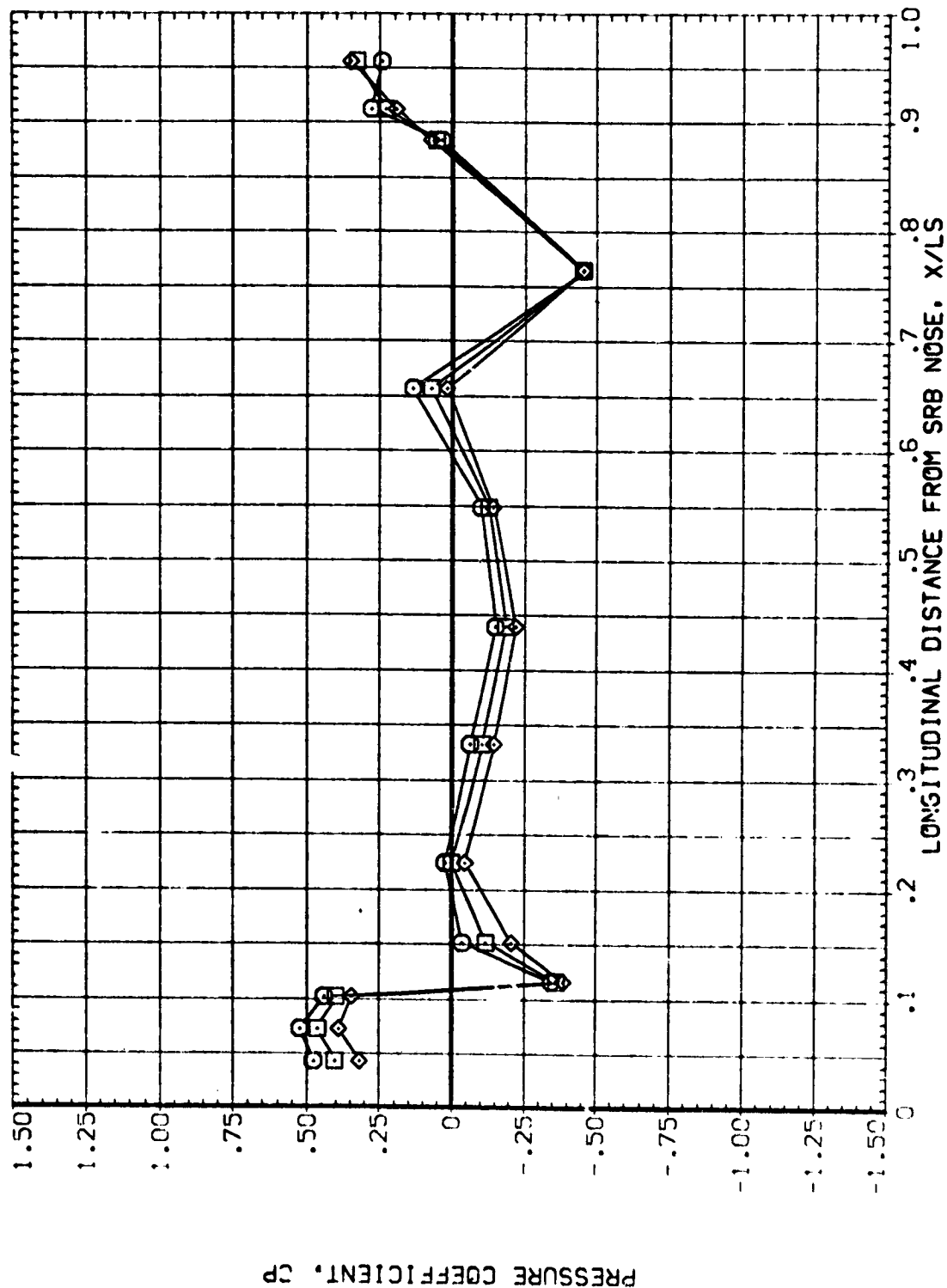
SYMBOL	PHI	BETA	MACH	REFERENCE DATA						PARAMETRIC VALUES							
				SREF	LREF	BREF	XPRP	YPRP	ZPRP	ALPHA	DELTAZ	X-SRB	CONFIG	RUDDER	ORBITAL		
<input type="radio"/>	337.500	-4.000	1.250	6.198	5.313	5.313	2.549	.972	.000	50. IN.	IN.	IN.	IN.	-5.000	.140	.000	.500
<input type="checkbox"/>	360.000																



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

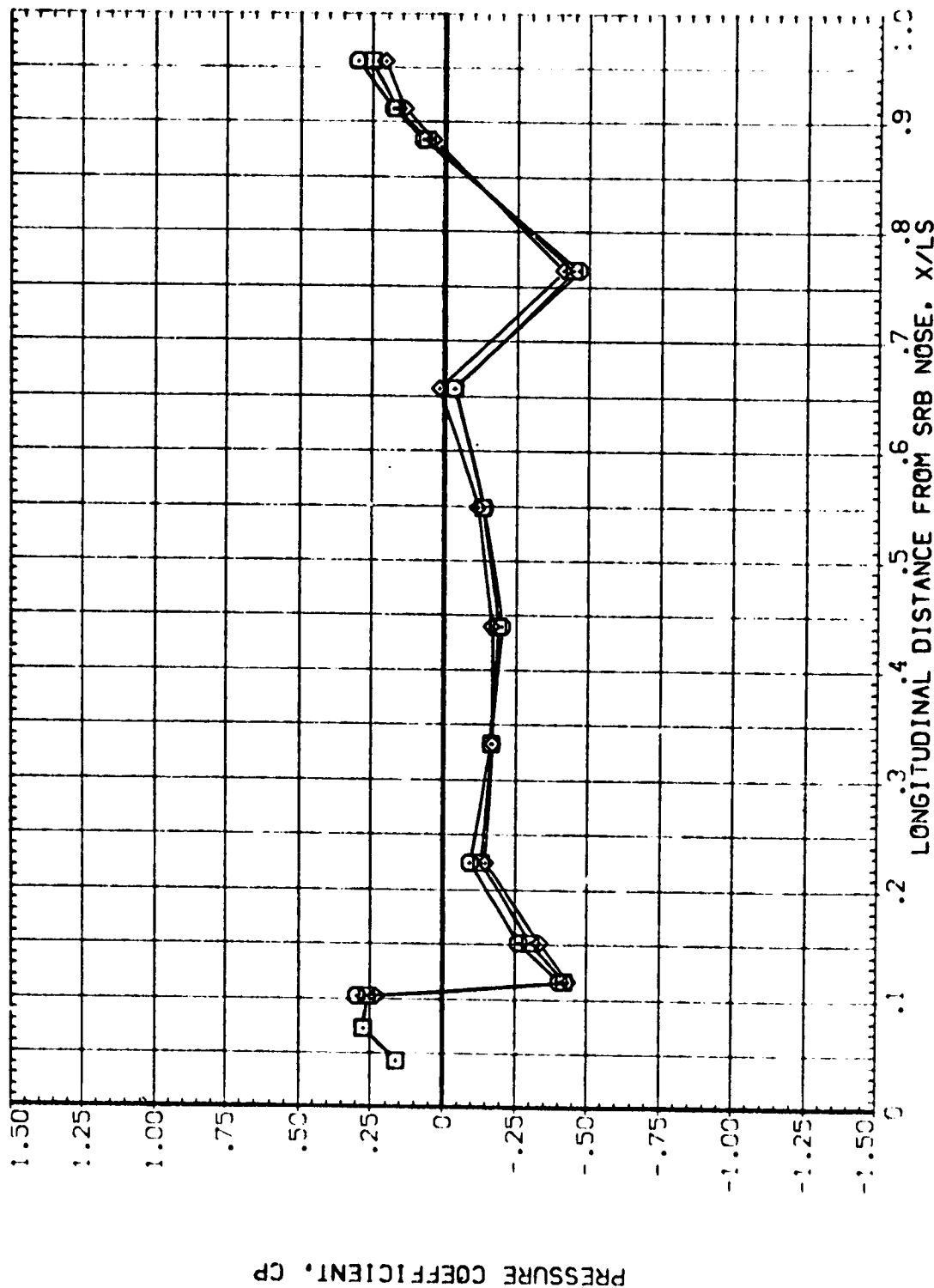
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	ZMRP	SG. IN.	IN.	IN.
○	.000	.000	1.250	6.198	5.313	5.313	2.549	.972	.000	.000	.000
□	22.500								.140	.000	.000
◇	45.000								.000	.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 367(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

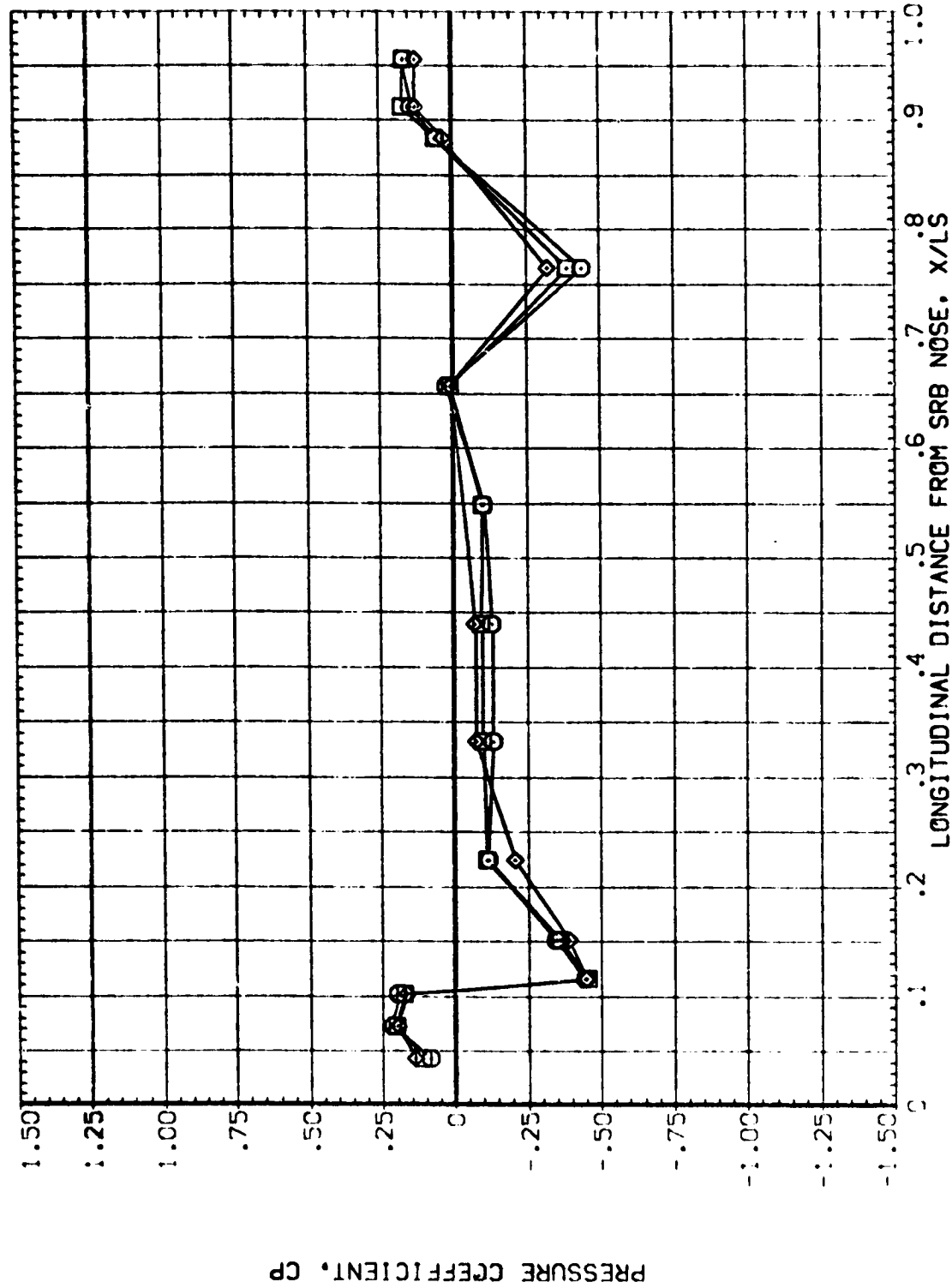
SYMBOL	PHI	BETA	MACH	REFERENCE DATA						PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTA Z	RUDER	ORBIT NC
○	67.500	.000	1.250	6.198	5.313	5.313	2.549	.972	.000	-5.000	.140	90.000	
□	90.000									.000	.000	.000	
◇	112.500									.000	.000	.500	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTA Z
○	135.000	.000	1.250	6.198	5.313	5.313	2.549	.972	.000	-5.000	.140
□	157.500									.000	.000
◇	160.000									.000	.500



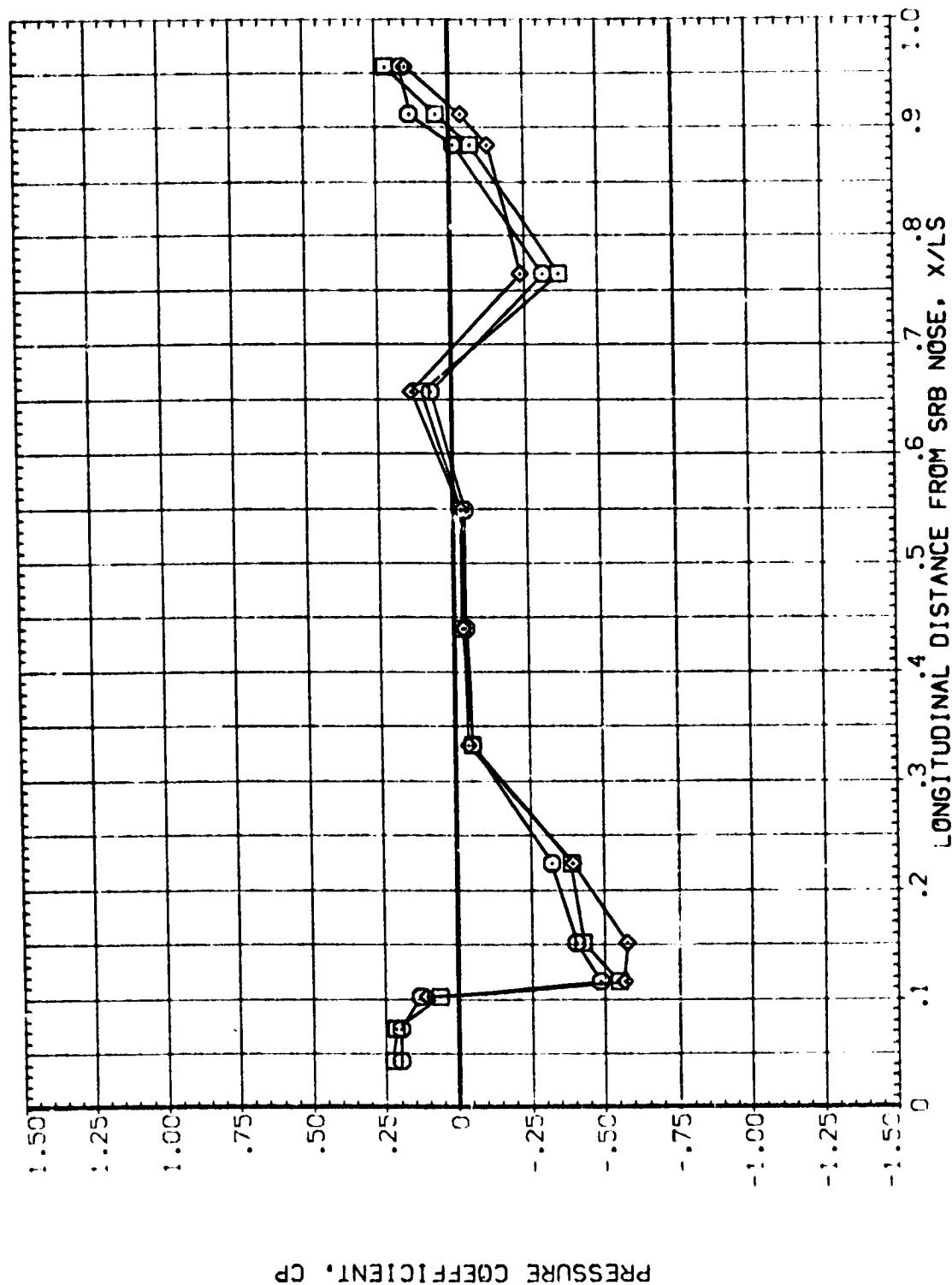
PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

(A82504)

0.8

99.0.0.0.0.

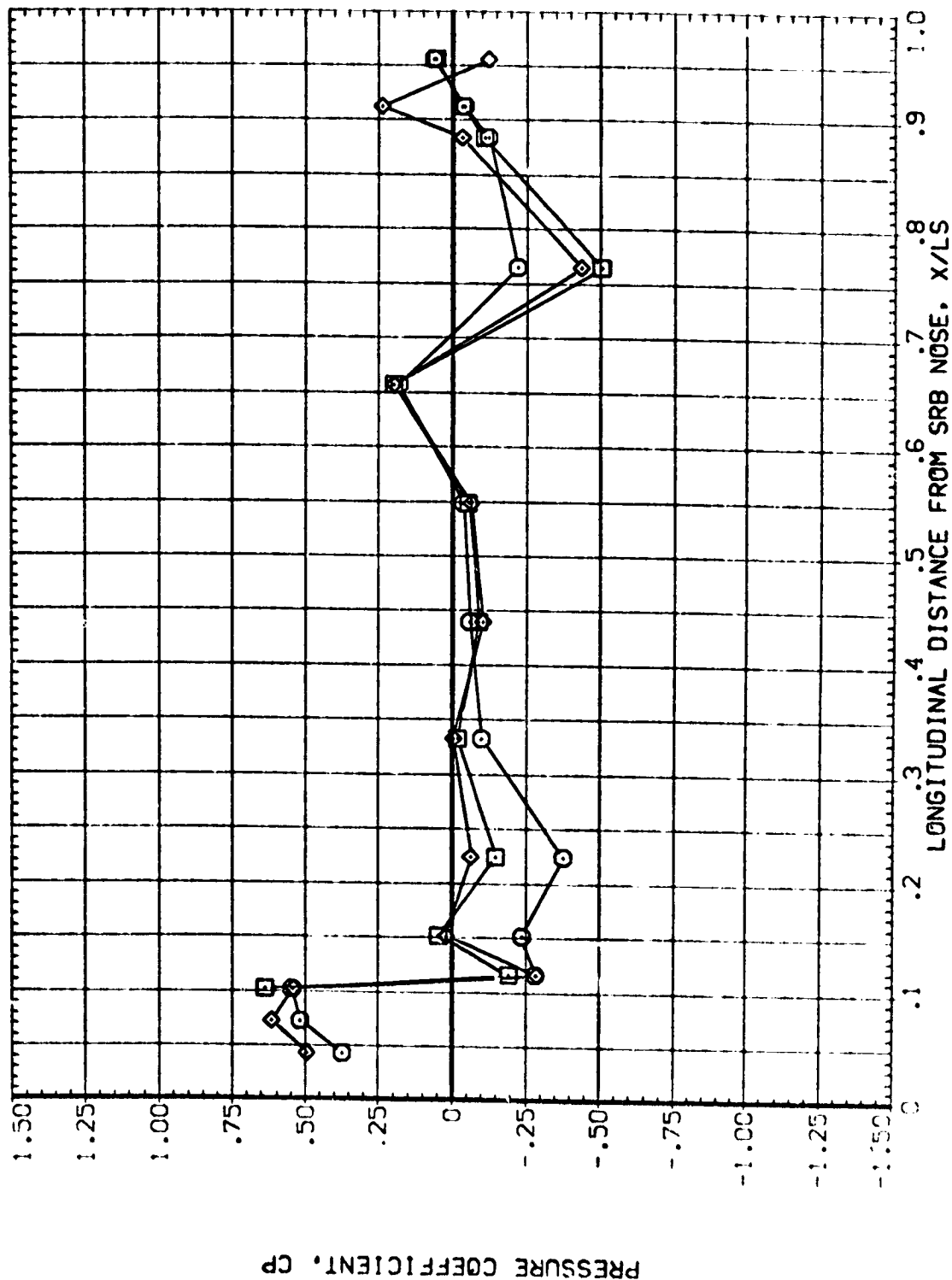
3



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

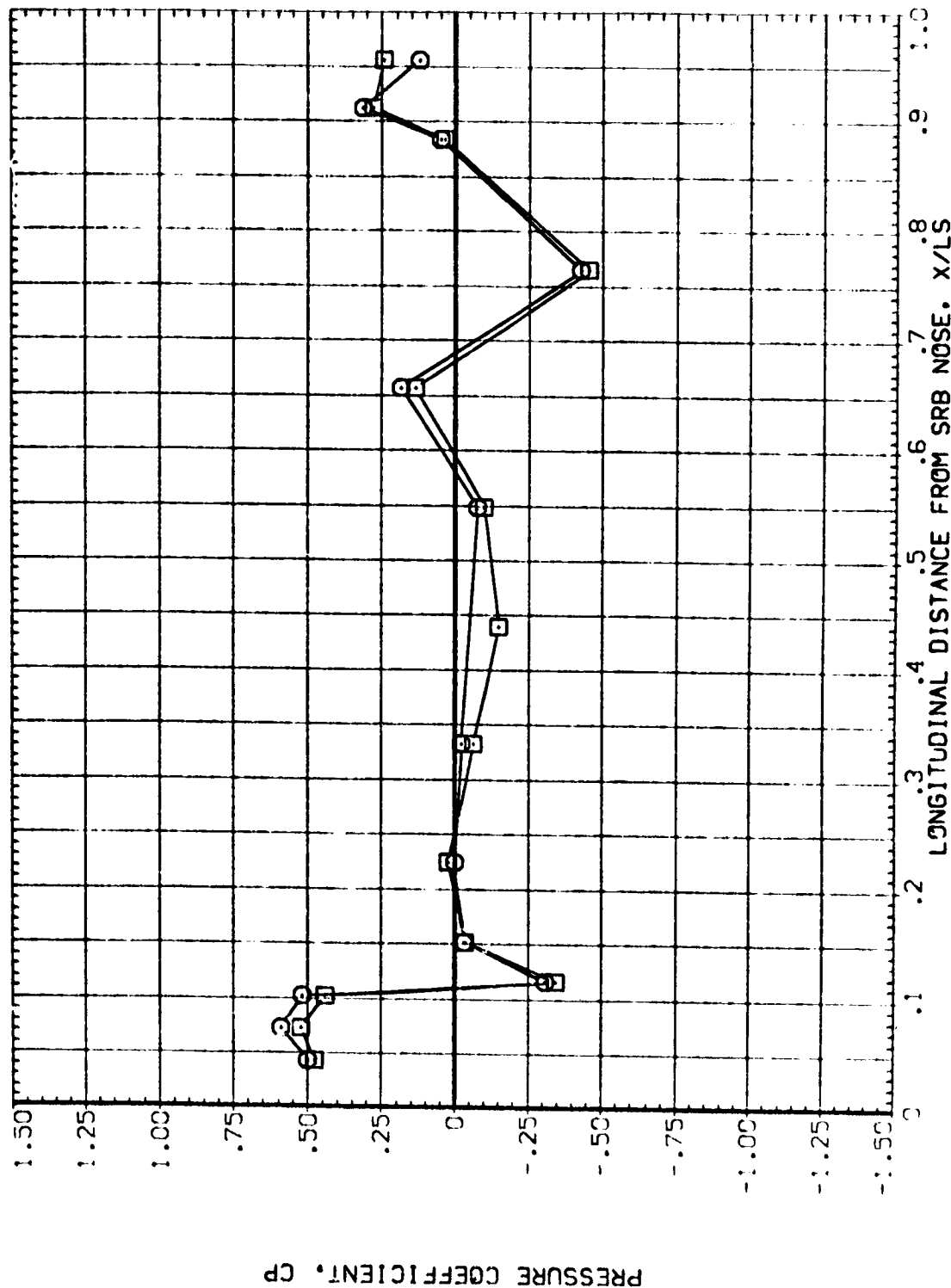
SYMBOL	P:1	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	270.000	.000	1.250	SREF 6.198	-5.000 CONF16 9C.000
□	292.500			LREF 5.313	.140 RUDDER .000
◇	315.000			BREF 5.313	.000 ORBINC .500
				XMRP 2.549	
				YMRP .972	
				ZMRP .000	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

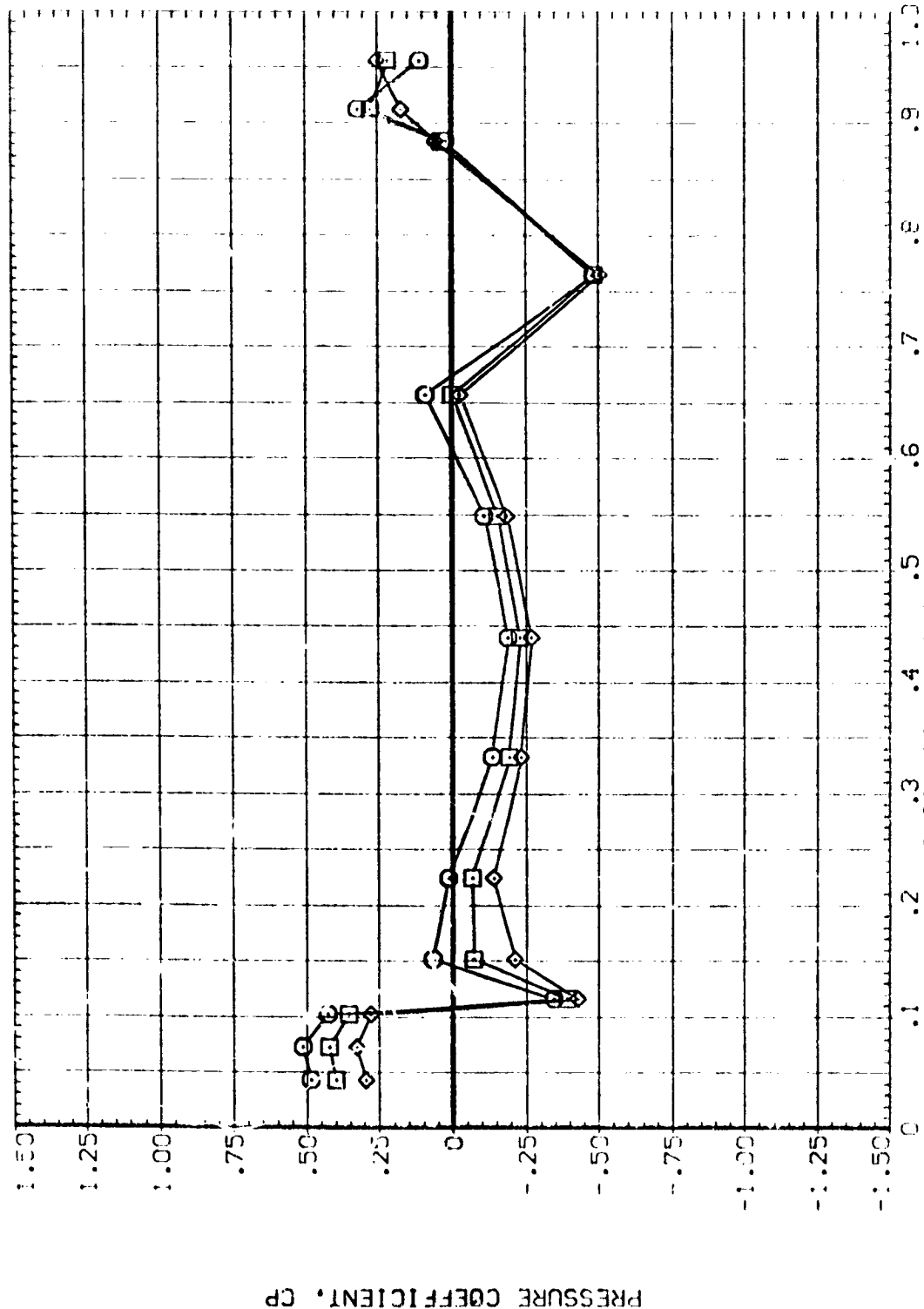
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	DELTA Z	CONF'G	
○	337.500	.000	1.250	6.198	5.313	5.313	2.549	50. IN.	SRB	.140	RUDDER
□	360.000							X-SRB		.000	ORBITAL
											.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

REF ID	P	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	SO.IN.	ALPHA	CONFIG	
22		4.000	1.250	5.198	50.1N.	DELTAZ	RUDER	90.000
45				5.313	IN.	X-SRB	0.000	.000
				2.549	IN.		0.000	.500
				.972	IN.			
				.000	IN.			

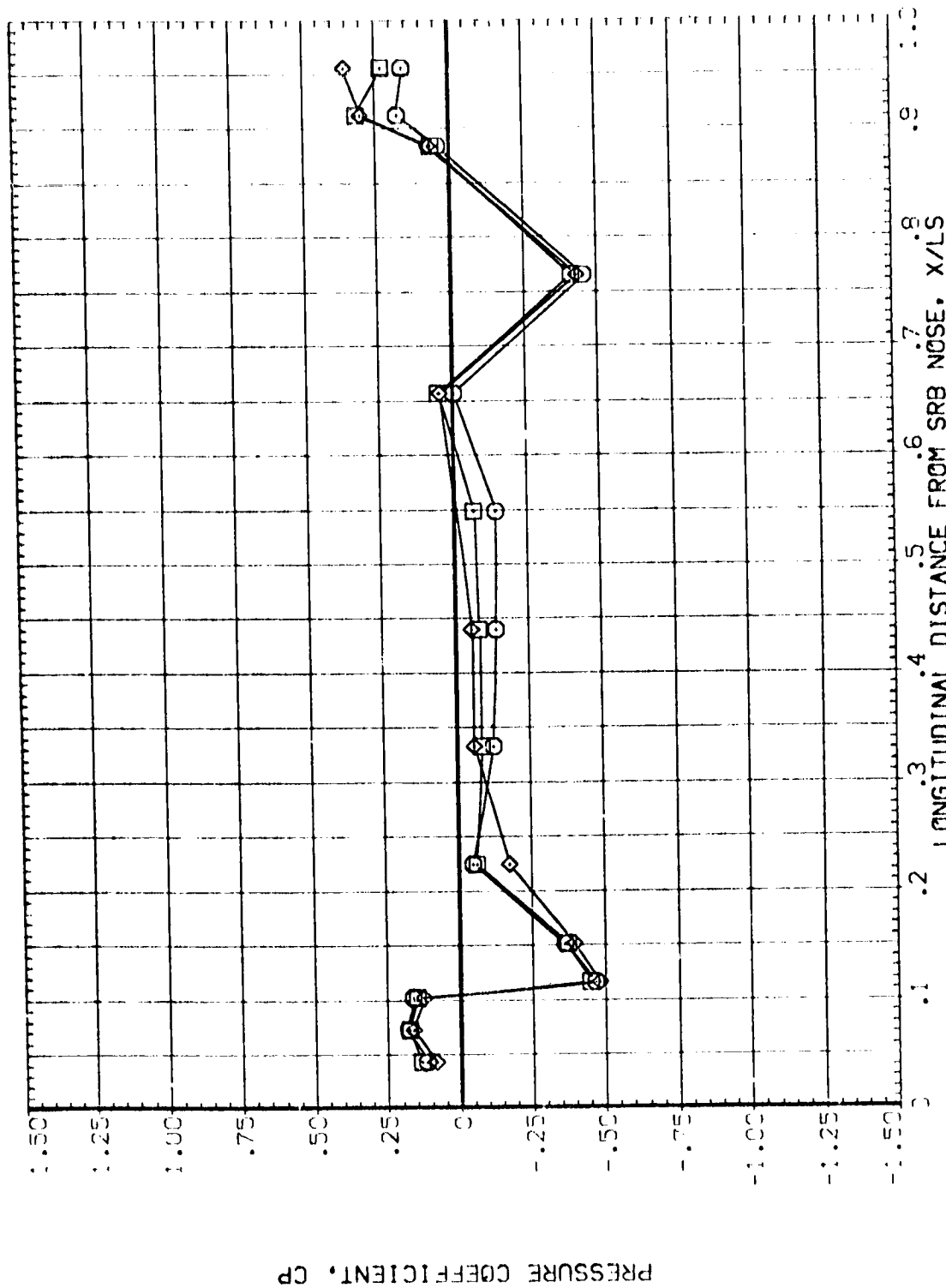


PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

REGISTRATION DISTRICT NO. 108

MSFC 567 (IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

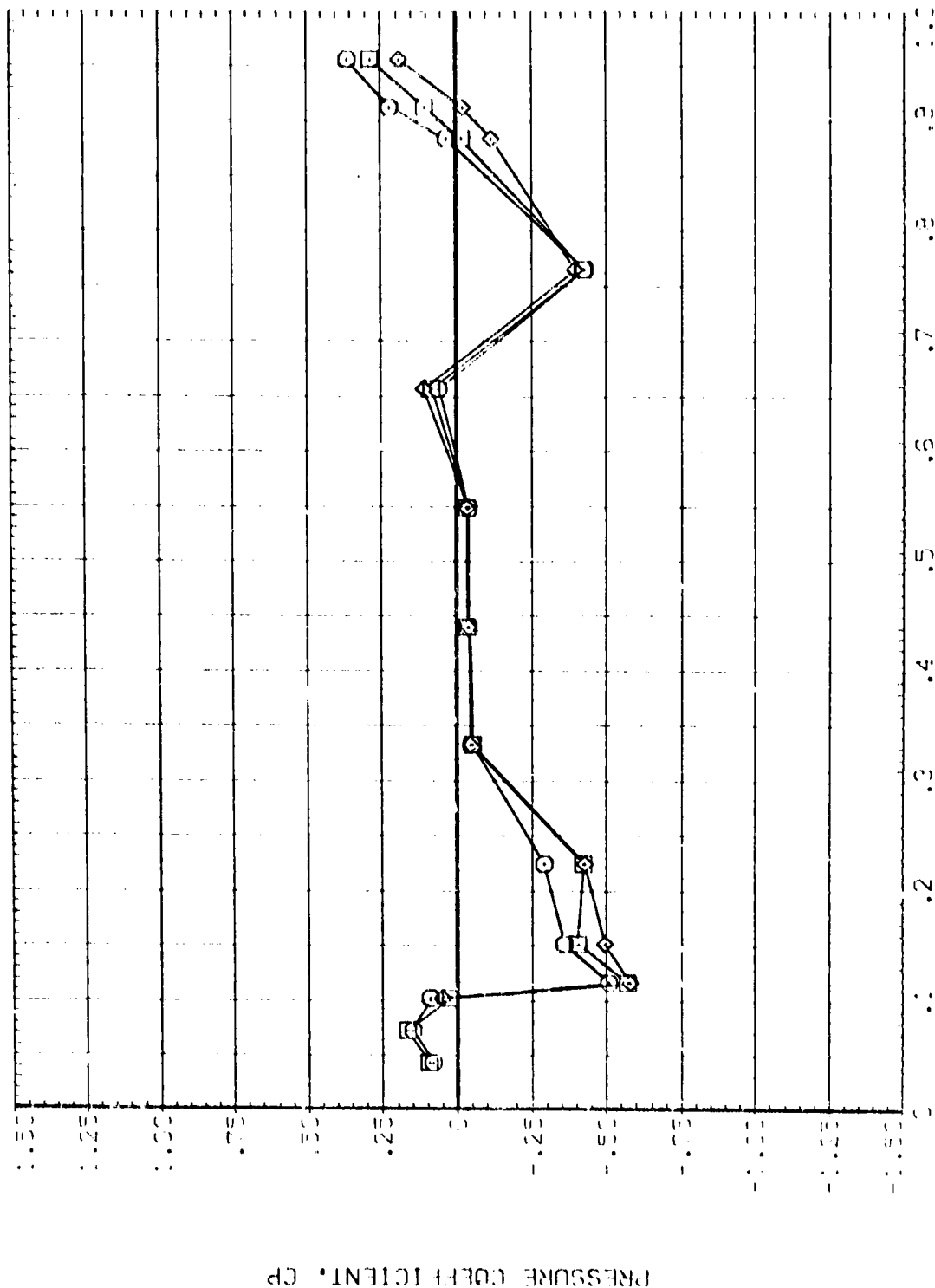
SYMBOL	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
			SREF	6.198	50. IN.	ALPHA	90.000
□	25.000	1.250	LREF	5.313	IN.	DELTA Z	.000
□	157.500		BREF	5.313	IN.	X-SRE	.000
◇	180.000		YMRP	2.549	IN.		.000
			ZMRP	.972	IN.		.000



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

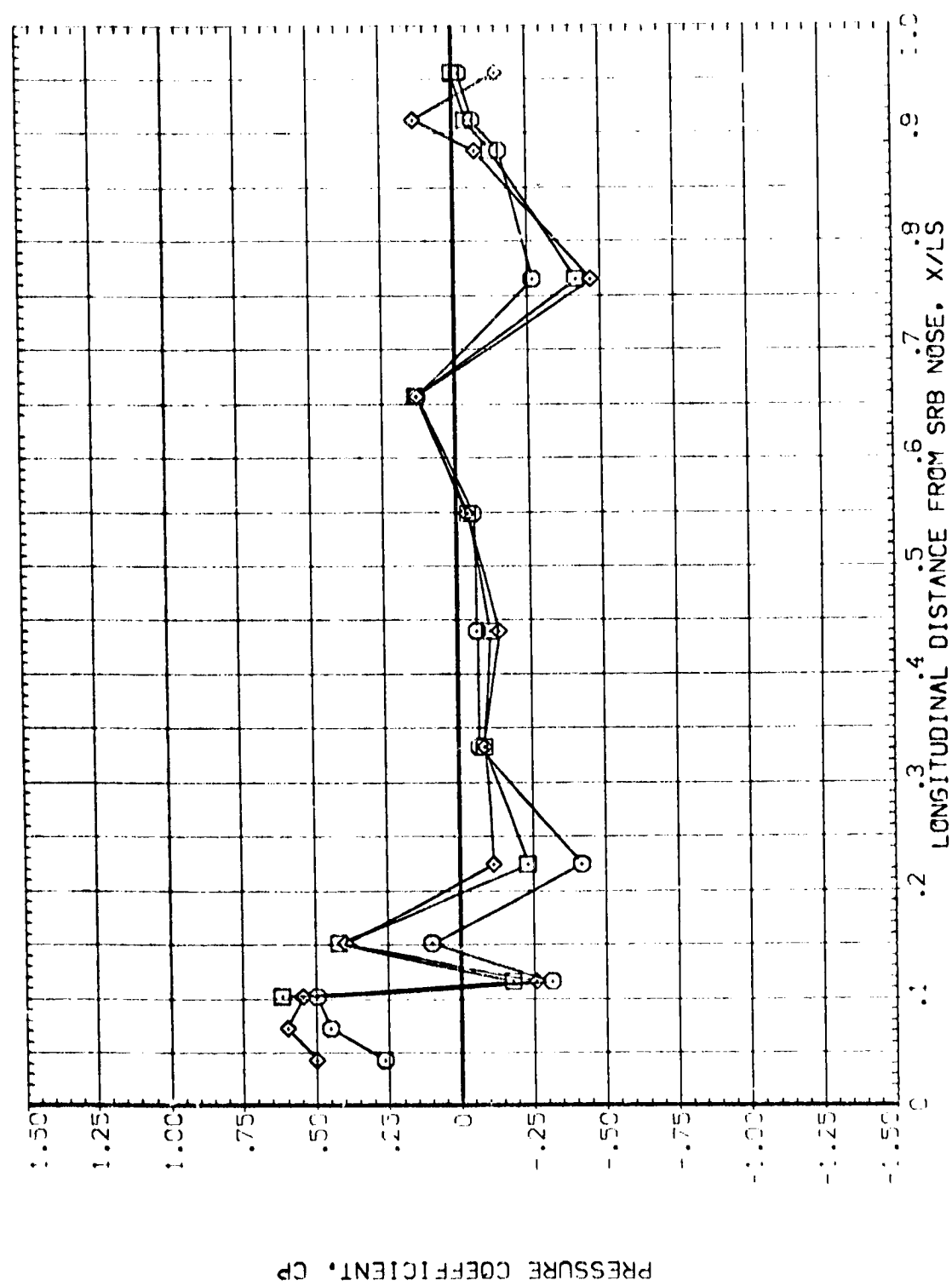
S.M.C.		BETA		MACH		REFERENCE DATA		PARAMETRIC VALUES	
202.500	4.000	1.250	SREF	6.198	SG IN.	ALPHA	-5.000	CONFIS	90.000
225.000			LPREF	5.313	N	DELTA Z	.140	RUDER	.000
240.500			BPREF	5.313	N	X-SPB	.000	SPB INC	.500
			XPRP	2.549	N				
			YPRP	.972	N				
			ZPRP	.000	N				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

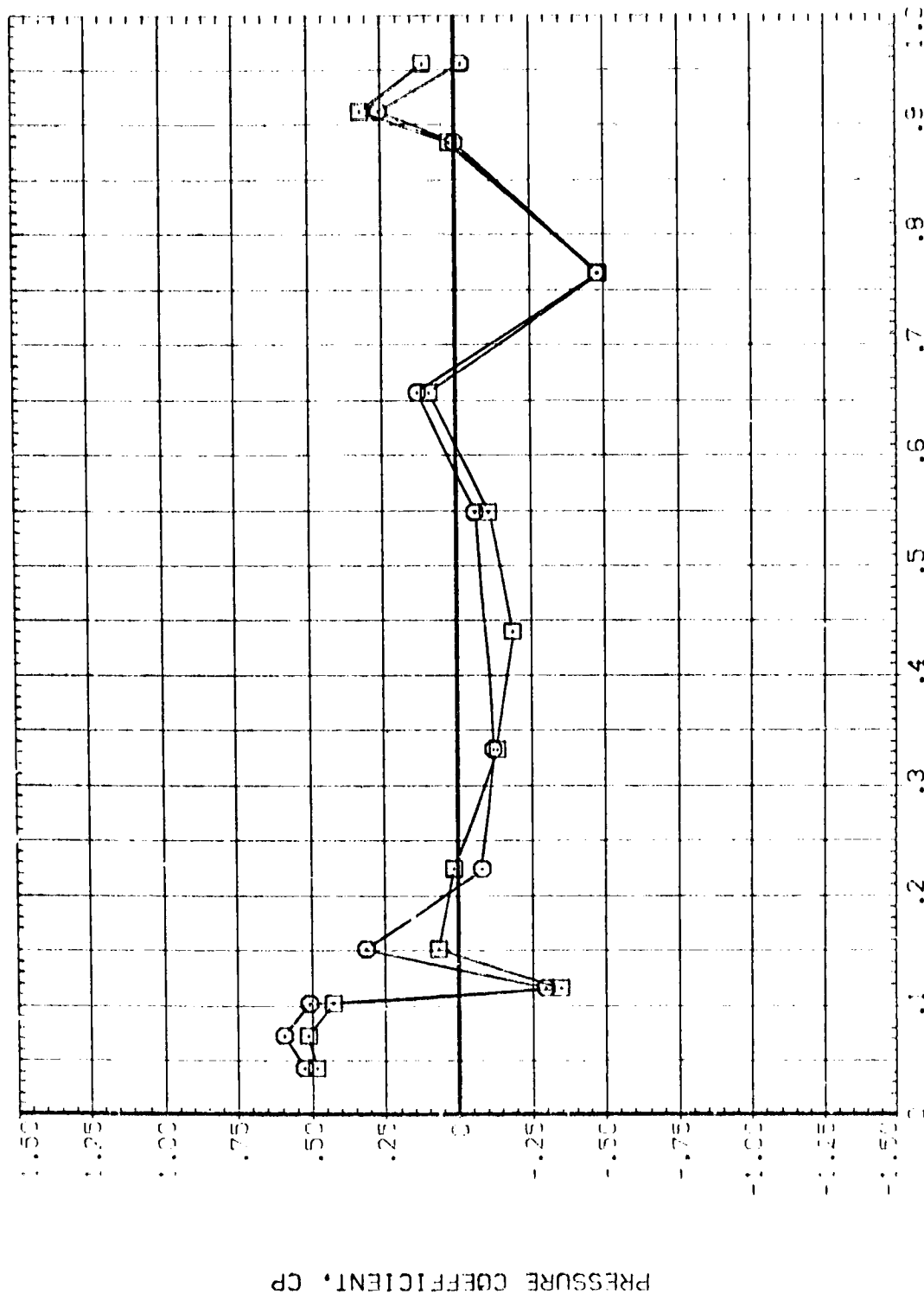
SYMBOL	UNIT	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SG.IN.	ALPHA	CONFIS
270.000		4.000	1.250	LREF	5.313	DELTAZ	.000
292.500				BREF	5.313	X-SRB	.000
315.000				XMRP	2.549		.500
				YMRP	.972		
				ZMRP	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

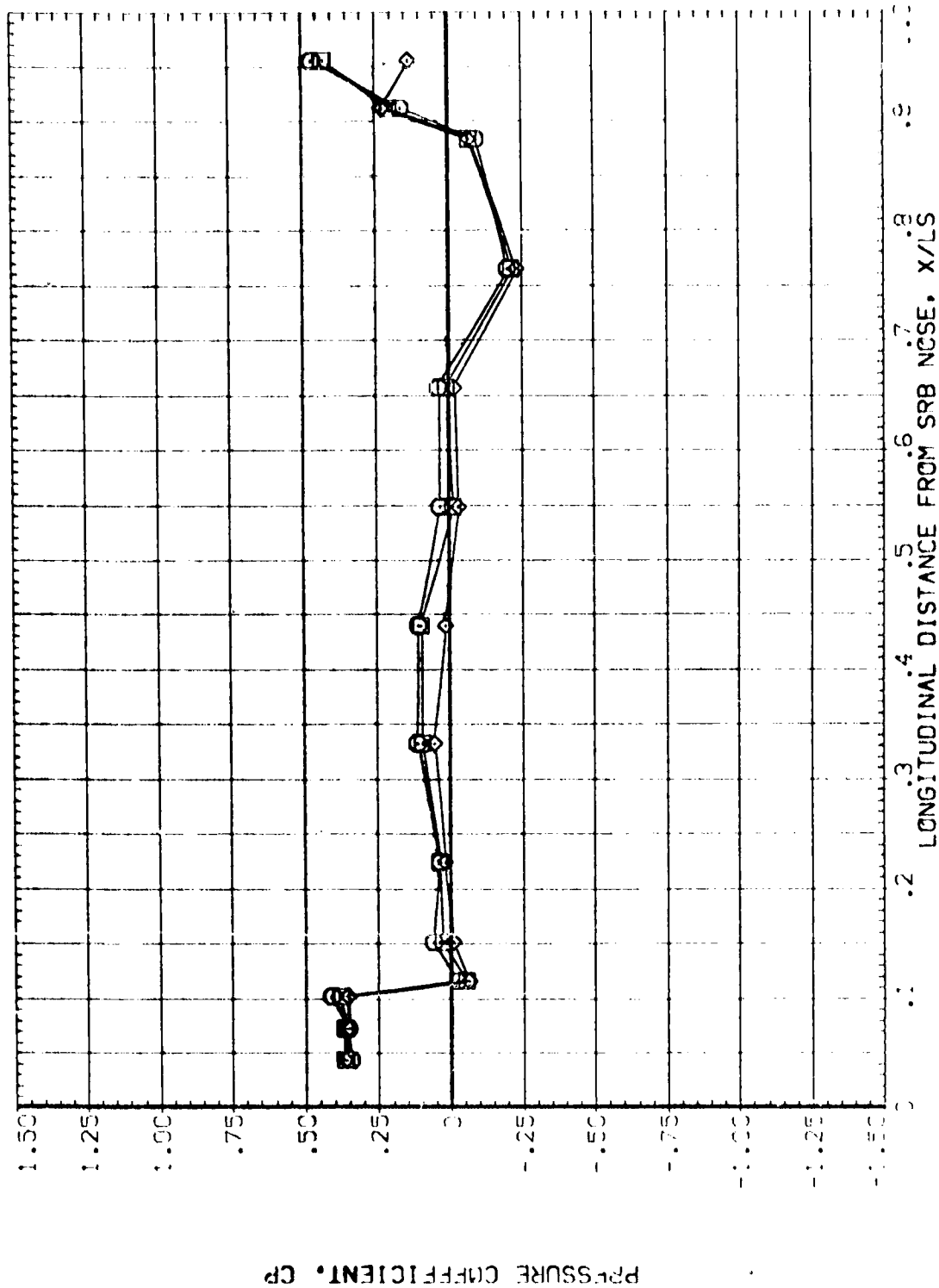
SYMBOL	UNIT	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SG.IN.	ALPHA	CONF IG	90.000
		4.000	1.250	LREF	5.313	IN.	DELTA Z	RUDDER	.000
				BREF	5.313	IN.	X-SRB	ORBIT NC	.500
				XMRP	2.549	IN.			
				YMRP	.972	IN.			
				ZMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

SYMBOL	P-I	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	DELTAZ	CONFIG	
□	1.000	-4.000	1.960	6.198	5.313	5.313	2.549	SG. IN.	.140	RUDER	90.000
◇	22.500							IN.	.000	988 INC	.000
◇	45.000							IN.			.500
								IN.			
								IN.			
								IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

SECRET

	()	()	()
	()	()	()
	()	()	()
7.	.	.	.
8.	()	()	()
9.	()	()	()

BETA MACH
-4.000 : .960

MACH

MACH : 0.960

	REFERENCE DATA
SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.545
YMRP	.972
ZMRP	.000

z
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gzzzzzz

DATA	1.198
	1.313
	1.313
	1.549
	1.972
	1.000

[illegible]

REFERENCE

REFERENCES

PARAMETRIC VALUES

90.000
100.000
150.000

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2142

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1300

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240
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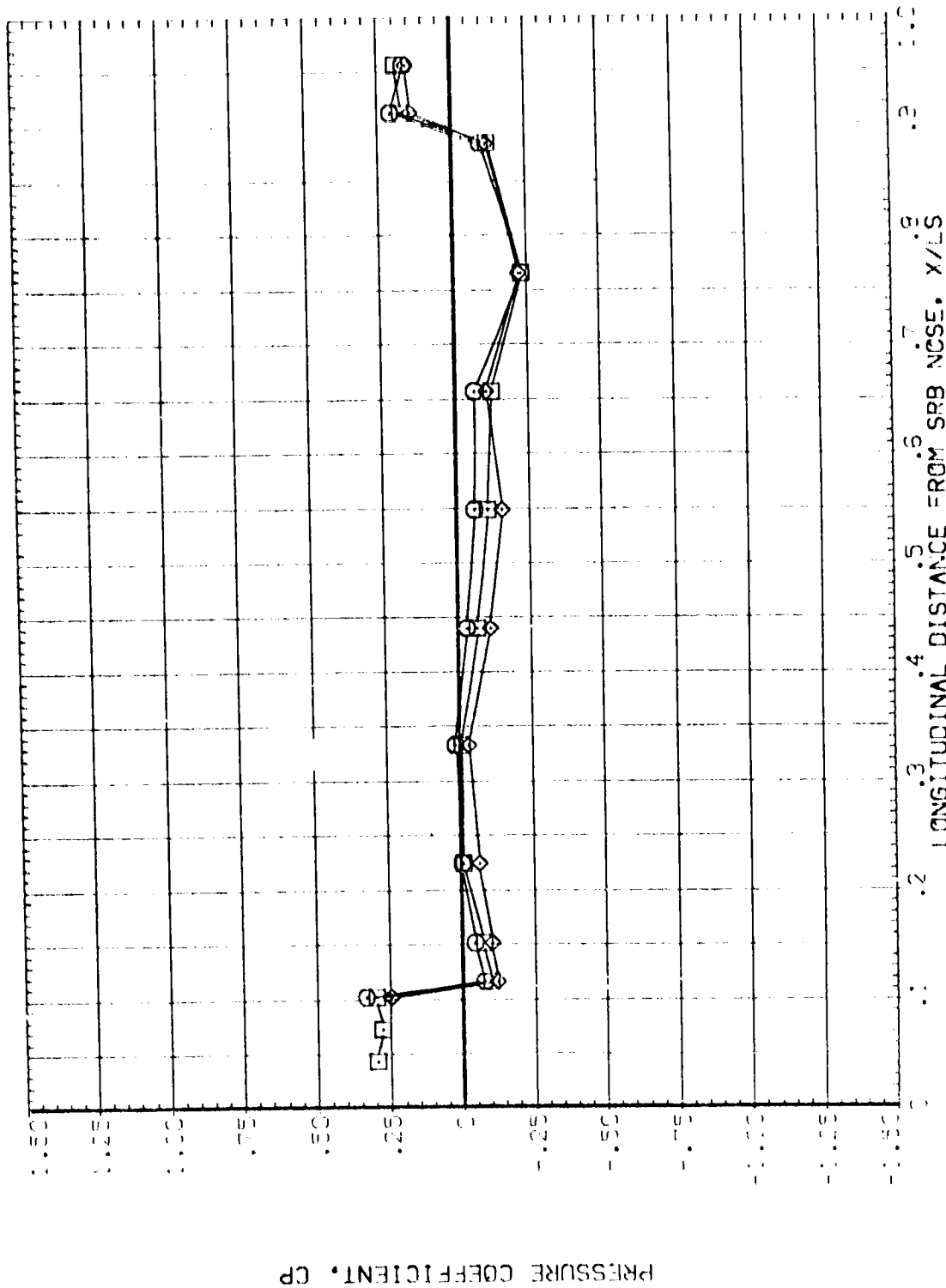
gzzz

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313

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5.313

REFERENCE

REFERENCES

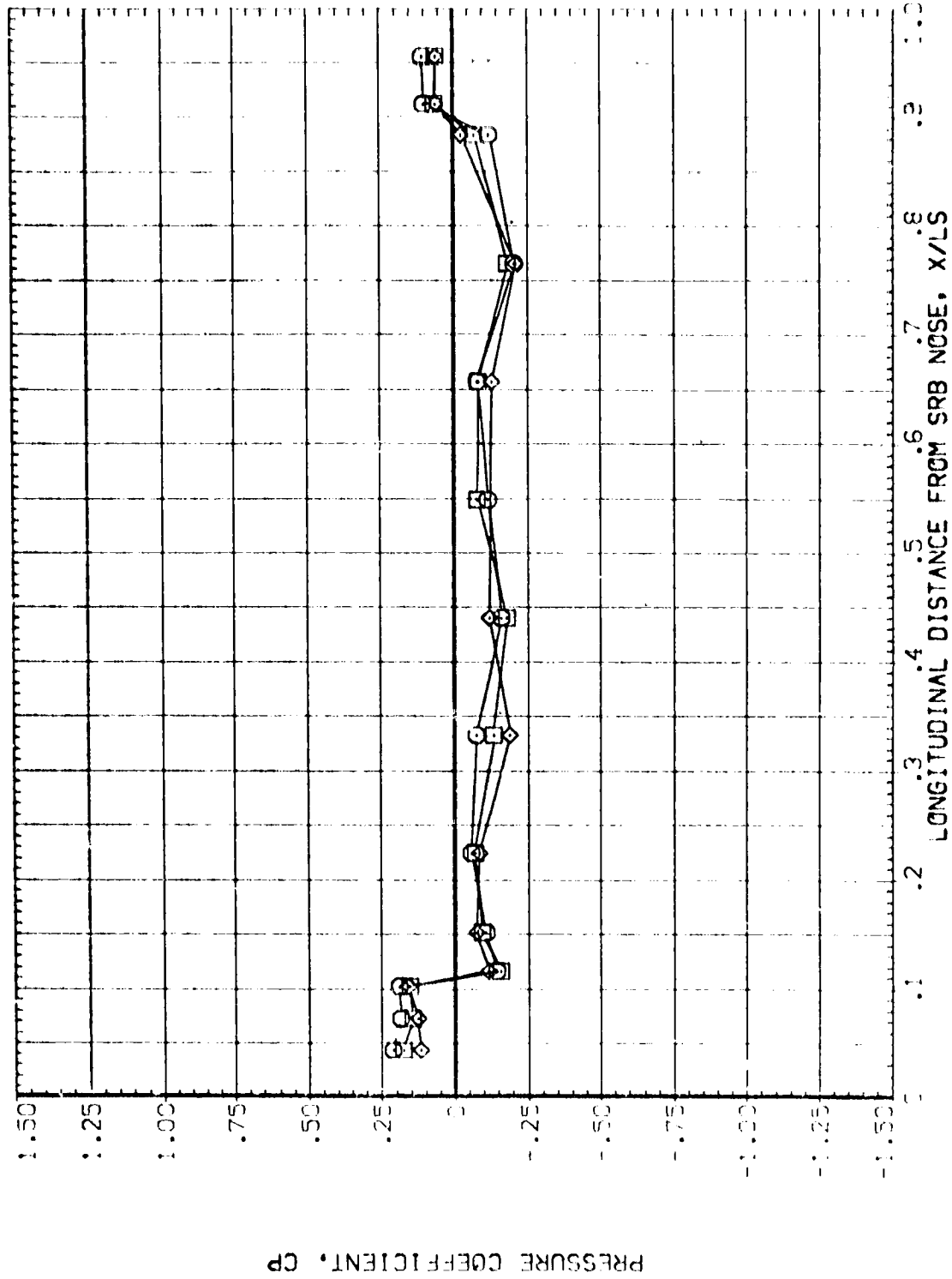


	.3	.4	.5	.5	.7	.9
LONGITUDINAL DISTANCE FROM SRB NCSE.						
						X/L

PROCEDURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 33

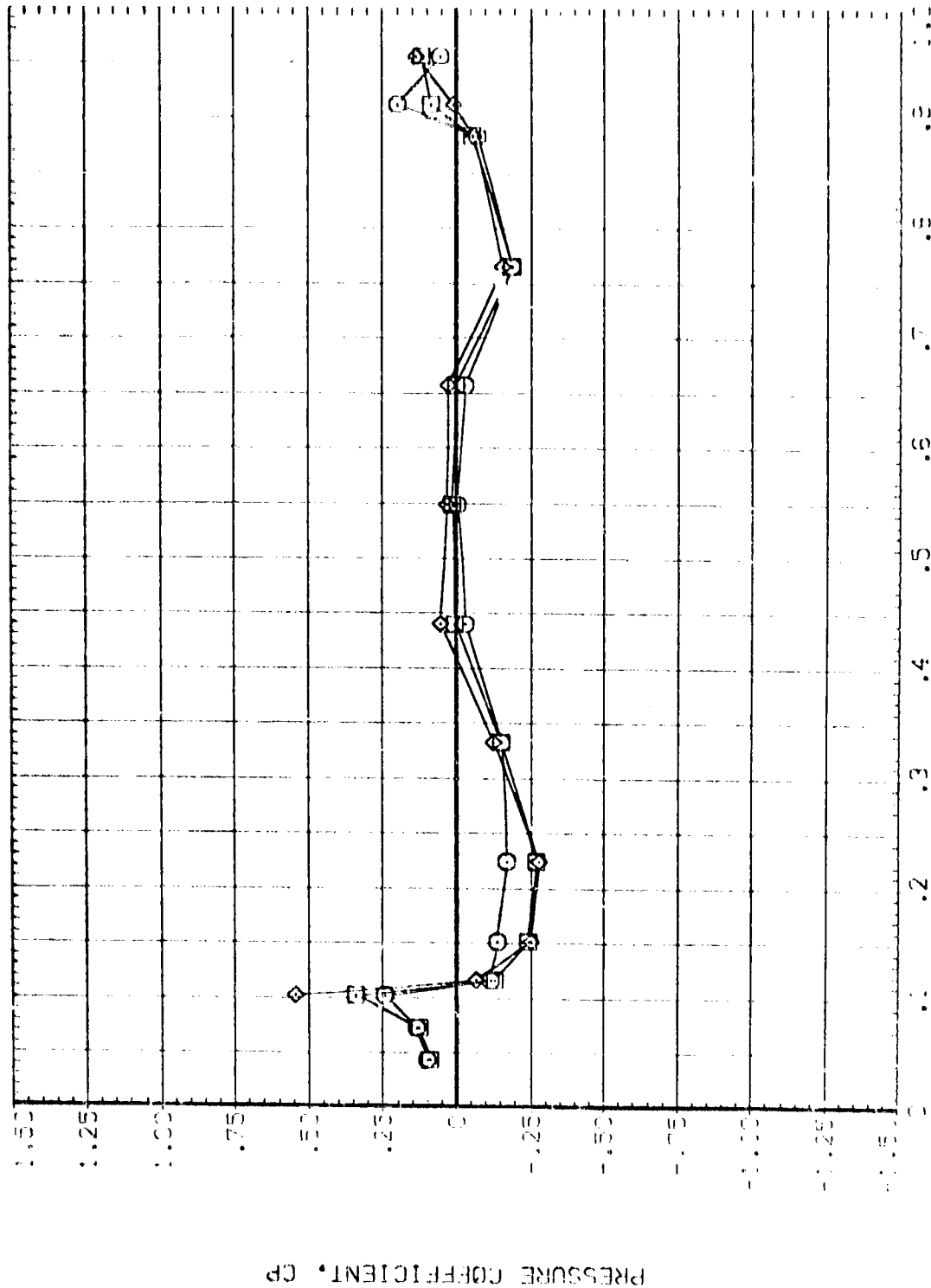
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

SINUS	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SO. IN.	ALPHA	CONF'S	RUDER	SPSINC
0.10	135.000	-4.000	1.960	LREF	5.198	IN.	DELTA Z	.140	.000
0.10	157.500			BREF	5.313	IN.	X-SRB	.000	.500
0.10	190.000			XPRP	2.549	IN.			
				YPRP	.972	IN.			
				ZPRP	.000	IN.			



MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

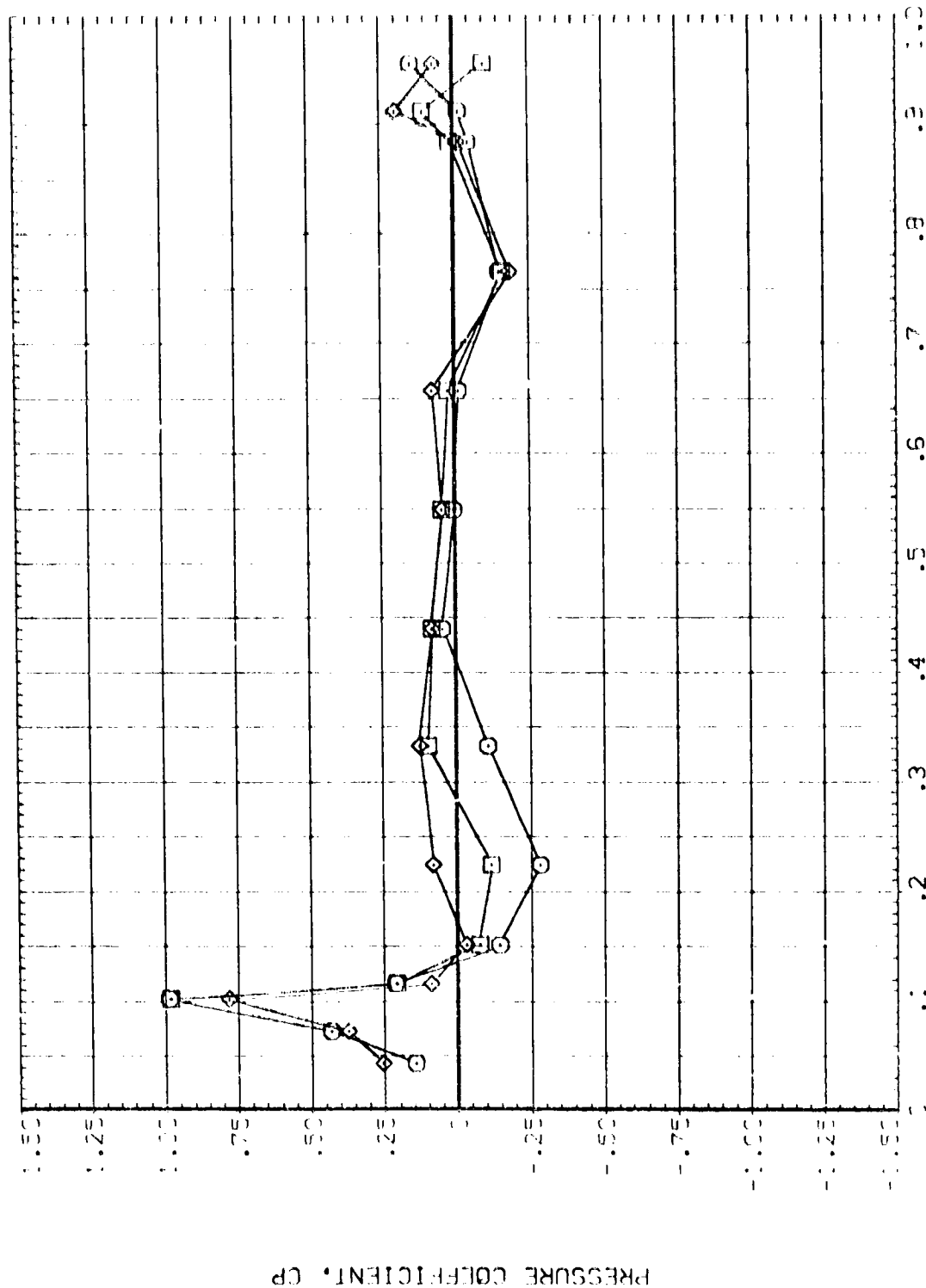
S-582	P-41	BETA		MACH		REFERENCE DATA		PARAMETRIC VALUES	
		202.500	-4.000	1.960		SREF	6.199	ALPHA	50.000
225.000						LREF	5.313	DELTAZ	.140
277.500						BREF	5.313	X-SRB	.000
						XMREF	2.549		.500
						YMREF	.972		
						ZMREF	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

SEC 567(1A32F) 19 S3/2 S3/2 03 SRM BOOSTER (A82S04)

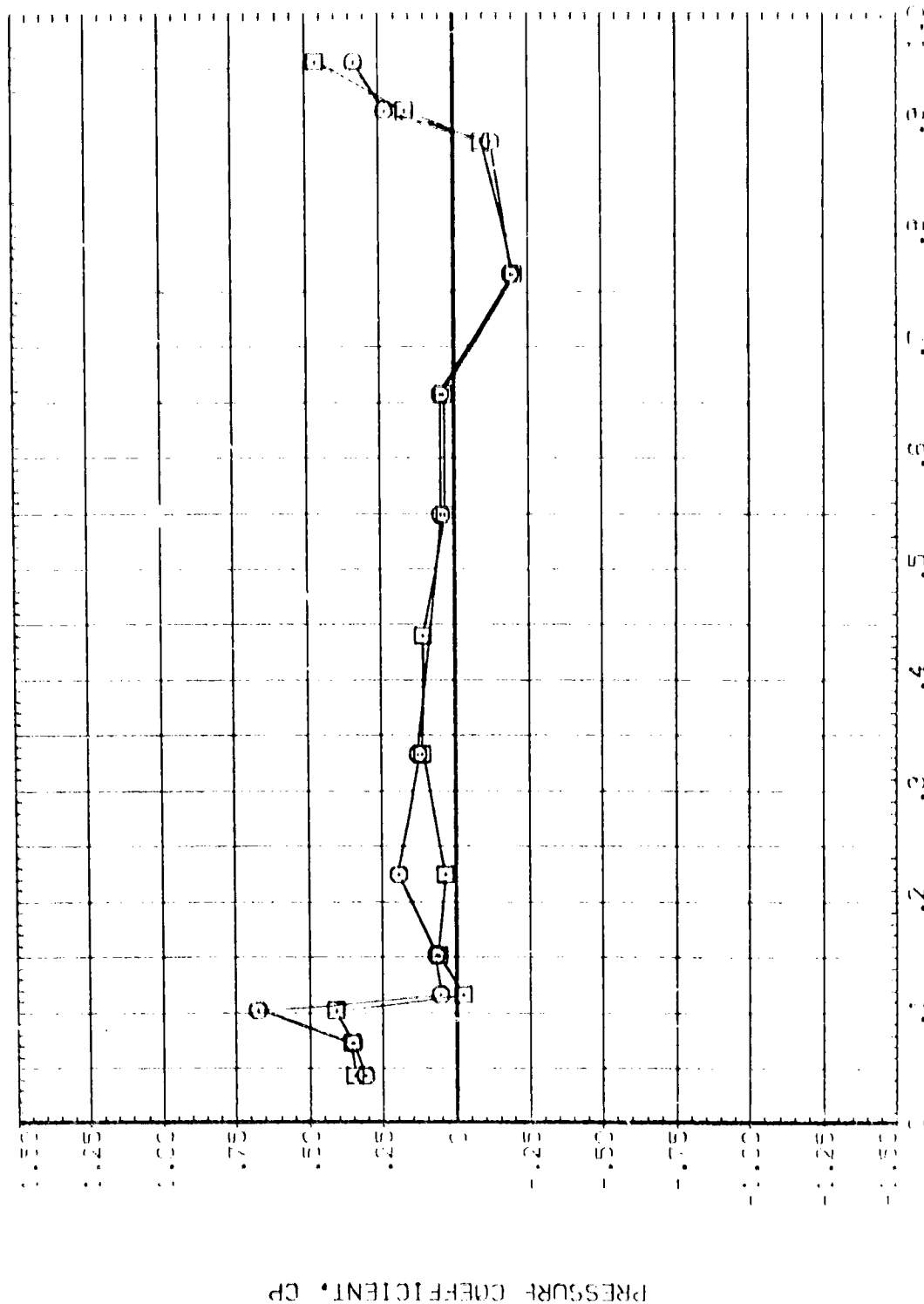
SYMBOL	UNIT	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SC IN.	ALPHA	CONFIS	CONFIS	
0.00		-4.000	1.960	5.198	N.	DELTAZ	.000	.000	
0.00				5.313	N.	X-SRB	.000	.000	
0.00				5.313	N.				
0.00				2.549	N.				
0.00				.972	N.				
0.00				.000	N.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER TO S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

PARAMETRIC VALUES		REFERENCE DATA		ALPHA		SQ. IN.		DELTA Z		X-SRB	
SI-MOD	937.500	BETA	-4.000	MACH	1.560	SPEF	6.198	DELTA Z	1.40	DELTA Z	1.40
SI-MOD	937.500					REF	5.313				
						REF	5.313				
						REF	2.548				
						REF	.972				
						REF	1.000				

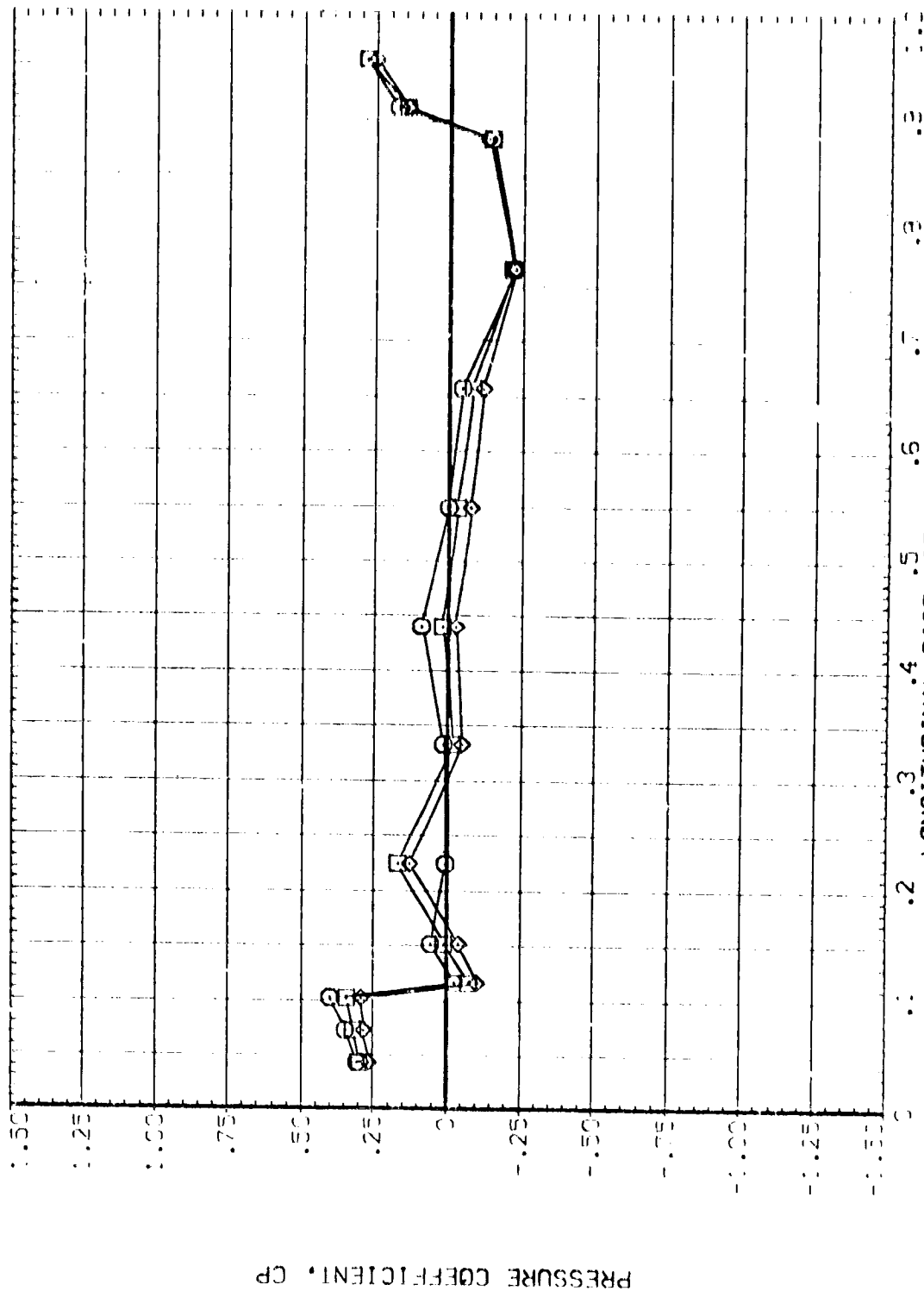


LONGITUDINAL DISTANCE FROM SRB NOSE, X/LB

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 23

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

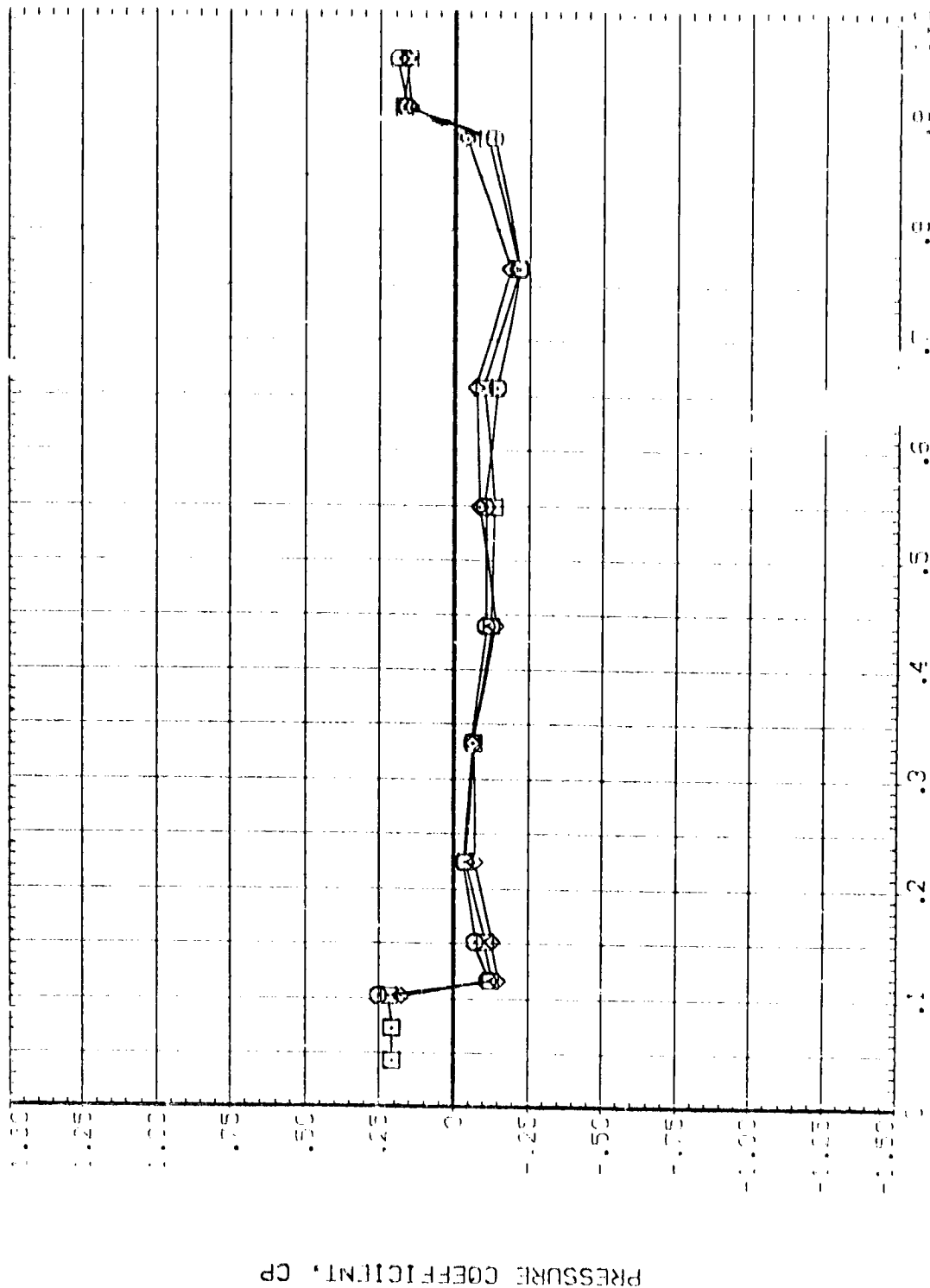
SYMBOL	REF	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SG IN.	ALPHA	-5.000	CONFIS
□	1.000	.000	1.960	LRPF	5.313	IN.	DELTA Z	.140	PLUEP
◇	22.500			BRPF	5.313	IN.	X-SRB	.000	95.10
◇	45.000			XREF	2.548	IN.			
				YREF	.972	IN.			
				ZREF	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

..SEC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A92SC4)

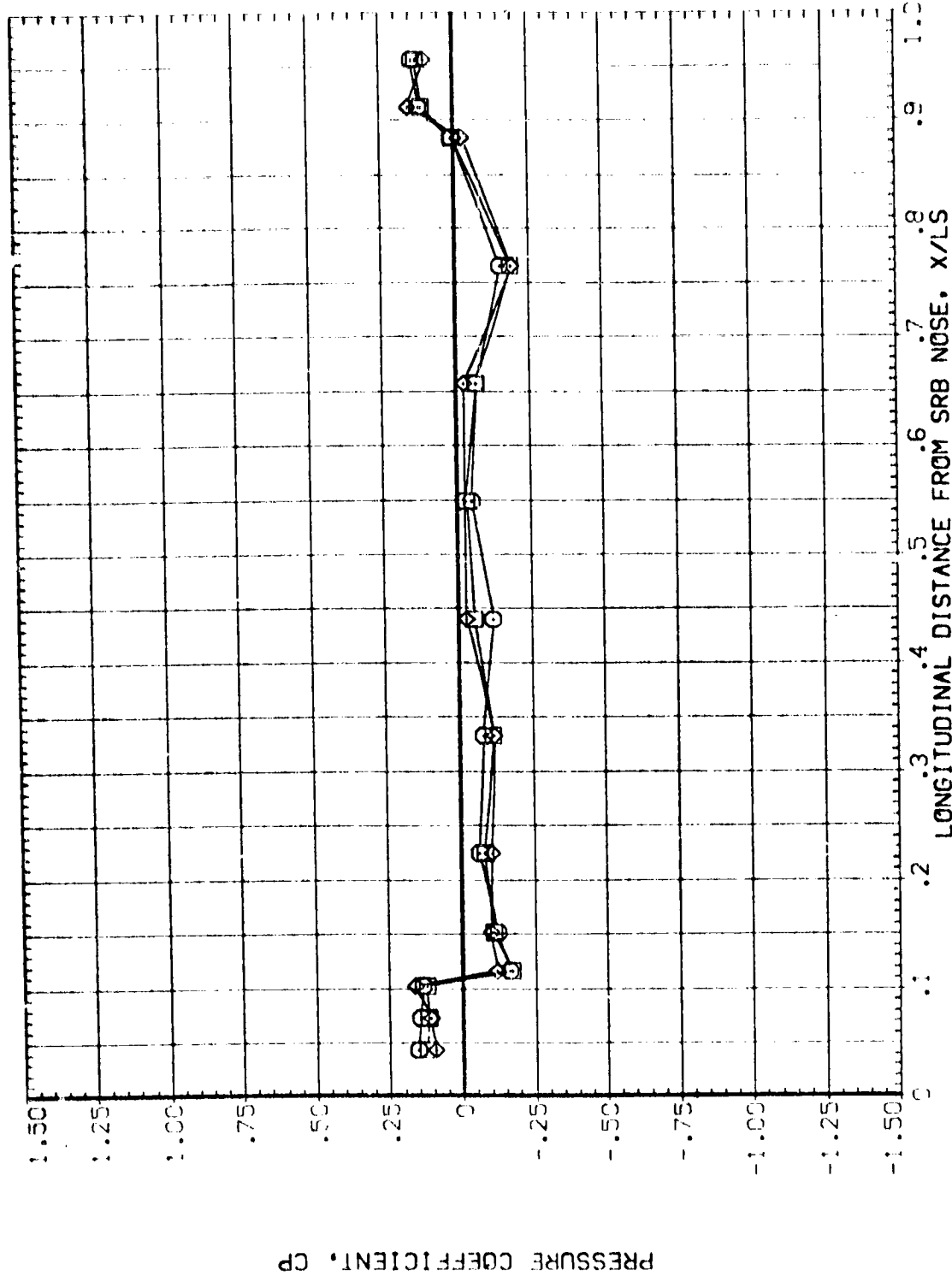
PARAMETRIC VALUES	
PARAMETER	VALUE
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BETA	1.000
DELTA	1.000
EPS	1.000
ETA	1.000
THETA	1.000
PHI	1.000
CHI	1.000
PSI	1.000
OMEGA	1.000
KAPPA	1.000
LAMBDA	1.000
MU	1.000
NU	1.000
Xi	1.000
PY	1.000
Q	1.000
R	1.000
S	1.000
T	1.000
U	1.000
V	1.000
W	1.000
X	1.000
Y	1.000
Z	1.000
AA	1.000
BB	1.000
CC	1.000
DD	1.000
EE	1.000
FF	1.000
GG	1.000
HH	1.000
II	1.000
JJ	1.000
KK	1.000
LL	1.000
MM	1.000
NN	1.000
OO	1.000
PP	1.000
QQ	1.000
RR	1.000
SS	1.000
TT	1.000
UU	1.000
VV	1.000
WW	1.000
XX	1.000
YY	1.000
ZZ	1.000
AAA	1.000
BBB	1.000
CCC	1.000
DDD	1.000
EEE	1.000
FFF	1.000
GGG	1.000
HHH	1.000
III	1.000
JJJ	1.000
KKK	1.000
LLL	1.000
MMM	1.000
NNN	1.000
OOO	1.000
PPP	1.000
QQQ	1.000
RRR	1.000
SSS	1.000
TTT	1.000
UUU	1.000
VVV	1.000
WWW	1.000
XXX	1.000
YYY	1.000
ZZZ	1.000
AAA	1.000
BBB	1.000
CCC	1.000
DDD	1.000
EEE	1.000
FFF	1.000
GGG	1.000
HHH	1.000
III	1.000
JJJ	1.000
KKK	1.000
LLL	1.000
MMM	1.000
NNN	1.000
OOO	1.000
PPP	1.000
QQQ	1.000
RRR	1.000
SSS	1.000
TTT	1.000
UUU	1.000
VVV	1.000
WWW	1.000
XXX	1.000
YYY	1.000
ZZZ	1.000
AAA	1.000
BBB	1.000
CCC	1.000
DDD	1.000
EEE	1.000
FFF	1.000
GGG	1.000
HHH	1.000
III	1.000
JJJ	1.000
KKK	1.000
LLL	1.000
MMM	1.000
NNN	1.000
OOO	1.000
PPP	1.000
QQQ	1.000
RRR	1.000
SSS	1.000
TTT	1.000
UUU	1.000
VVV	1.000
WWW	1.000
XXX	1.000
YYY	1.000
ZZZ	1.000
AAA	1.000
BBB	1.000
CCC	1.000
DDD	1.000
EEE	1.000
FFF	1.000
GGG	1.000
HHH	1.000
III	1.000
JJJ	1.000
KKK	1.000
LLL	1.000
MMM	1.000
NNN	1.000
OOO	1.000
PPP	1.000
QQQ	1.000
RRR	1.000
SSS	1.000
TTT	1.000
UUU	1.000
VVV	1.000
WWW	1.000
XXX	1.000
YYY	1.000
ZZZ	1.000
AAA	1.000
BBB	1.000
CCC	1.000
DDD	1



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S2 S3

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

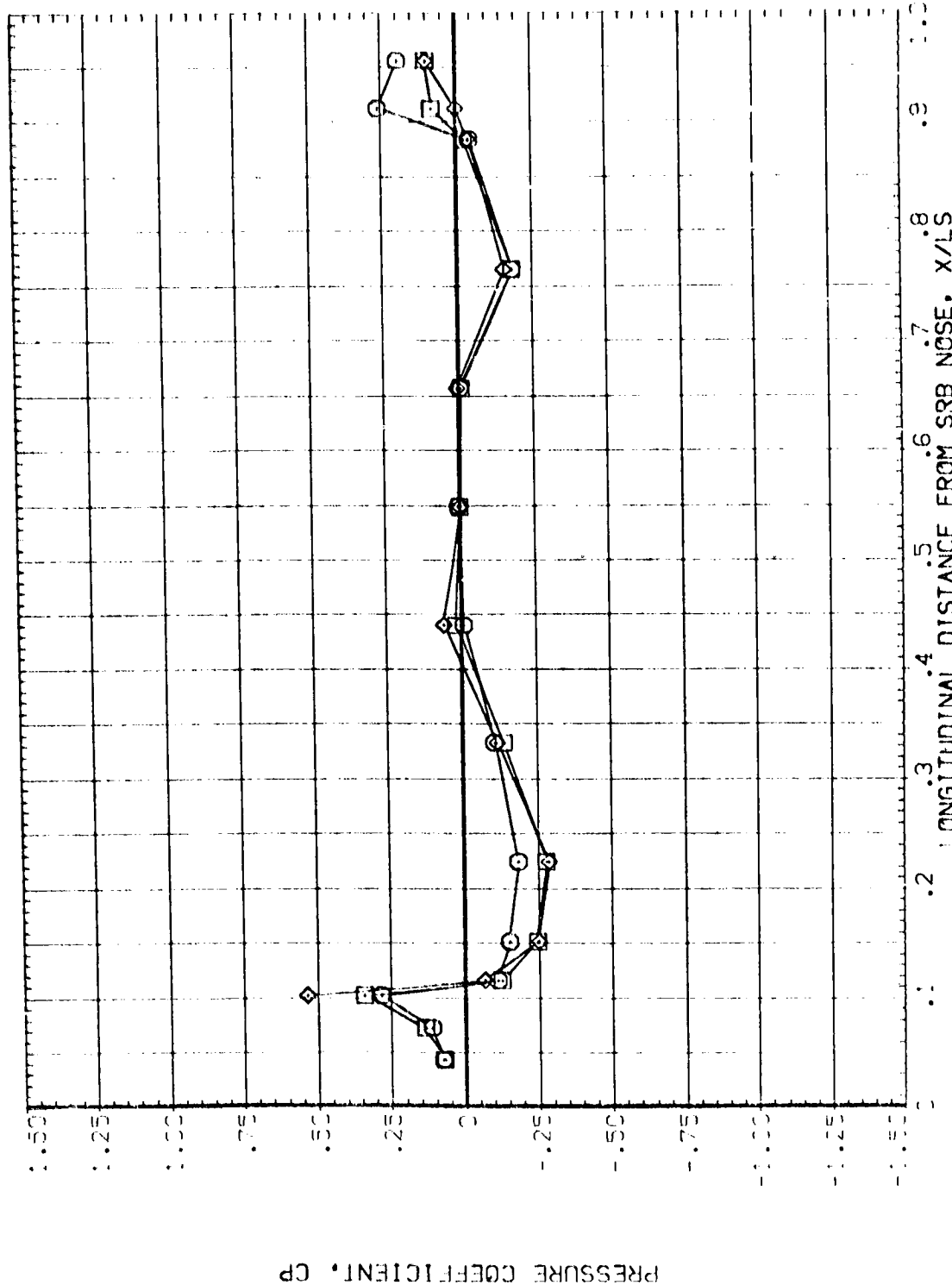
SYMBOL		PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES				
◇	133.000		.000	1.960	SREF	6.198	SG. IN.	ALPHA	-5.000	CONF. IS	90.000
◇	137.500				LREF	5.313	IN.	DELTA Z	.140	P-ODER	.000
◇	130.000				BREF	5.313	IN.	X-SRB	.000	399 INC	.500
					XMRP	2.549	IN.				
					YMRP	.972	IN.				
					ZMRP	.000	IN.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

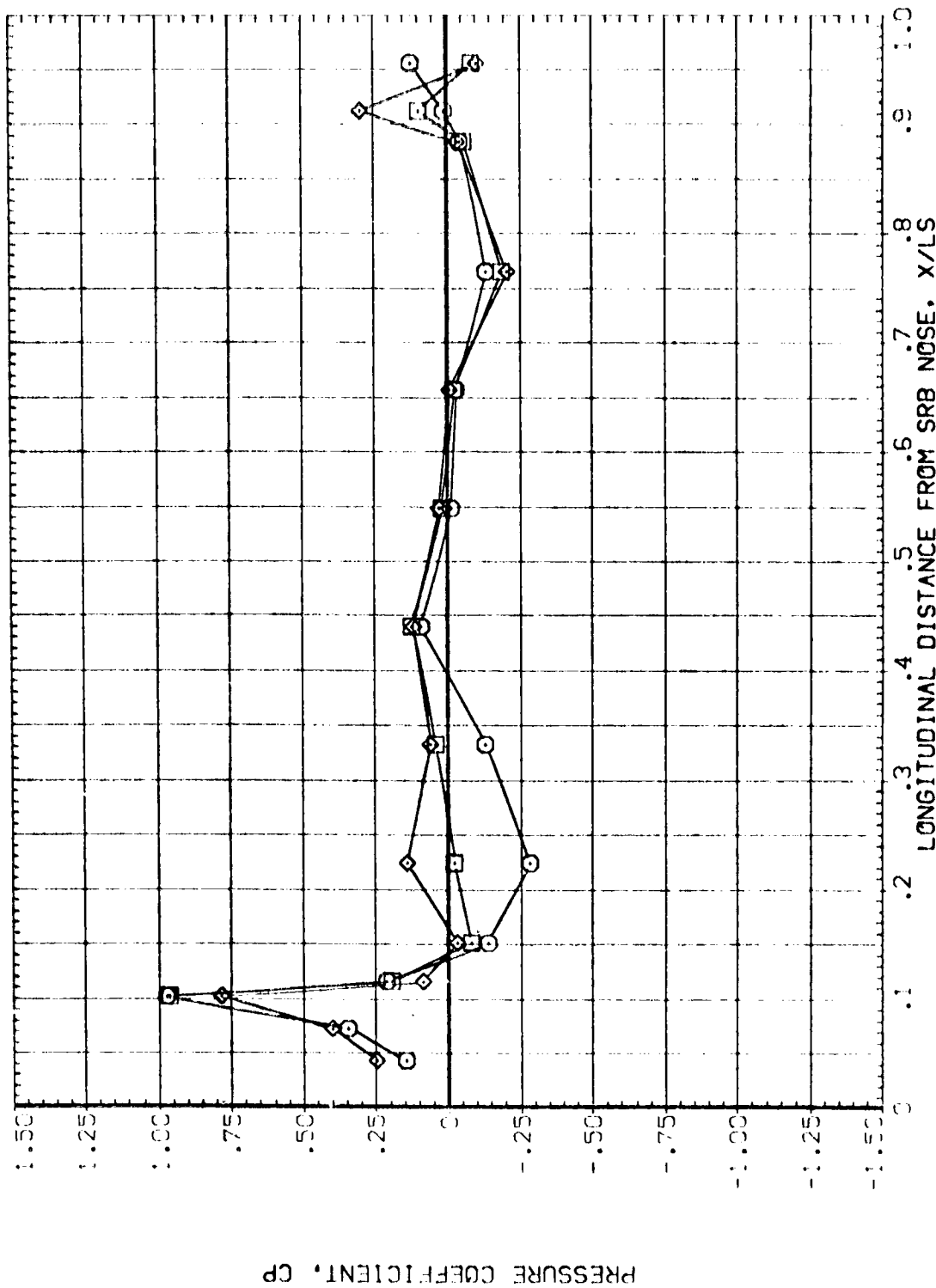
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		ALPHA	PARAMETRIC VALUES	
				SREF	SO.IN.		-5.000	CONFIS
202.500		.000	1.960	LREF	5.313	DELTA Z	.140	RUDER
225.000				BREF	5.313	X-SRB	.000	999 INC
247.500				XMRP	2.549			
				YMRP	.972			
				ZMRP	.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

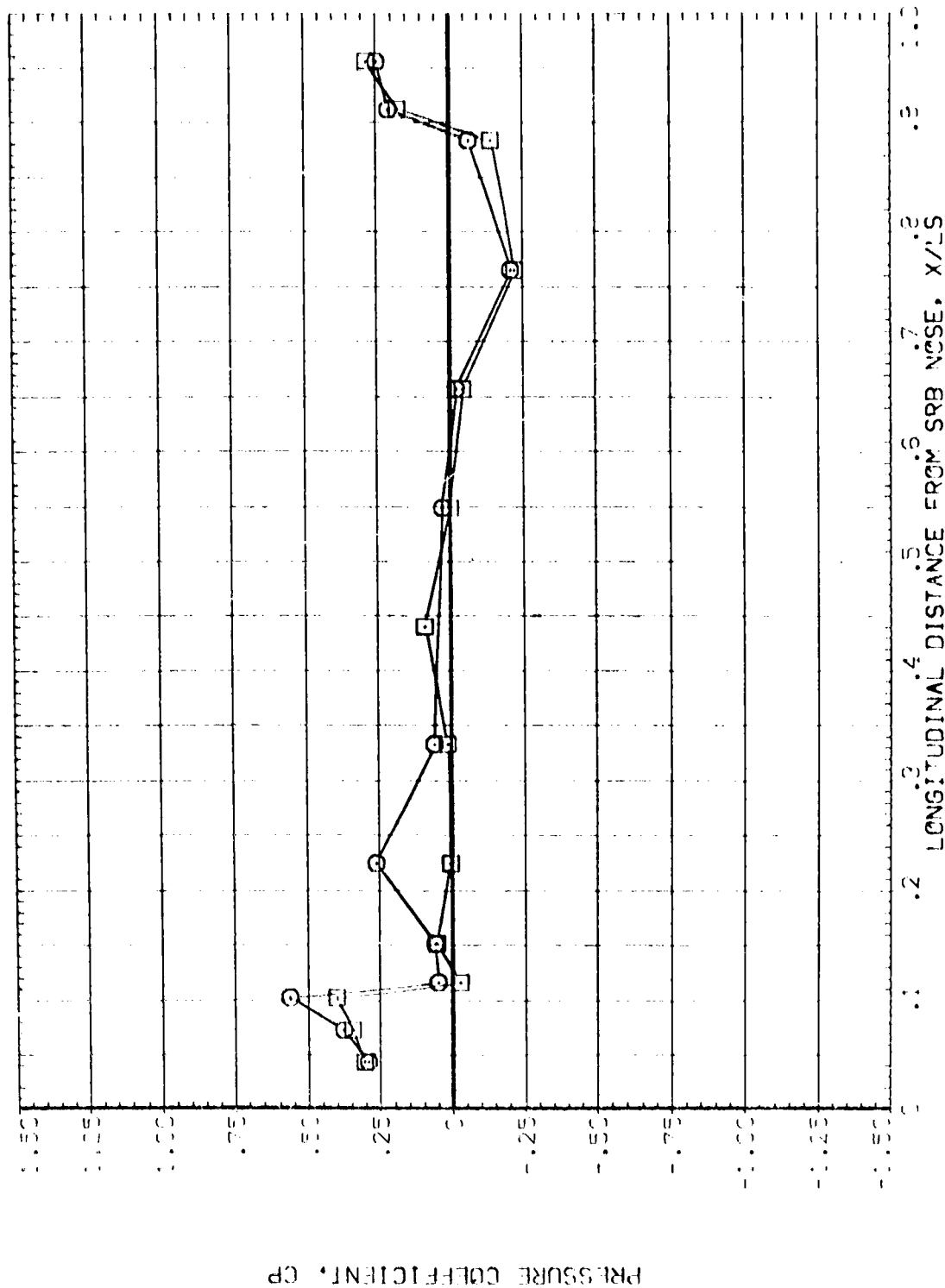
SYMBOL	P4	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	LREF	ALPHA	CONF IG	
□	270.000	.000	1.960	6.198	5.313	DELTA Z	.140	RUDDER
○	292.500			5.313	2.549	X-SRB	.000	CRB INC
◇	315.000			.972	.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

ASFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82SC4)

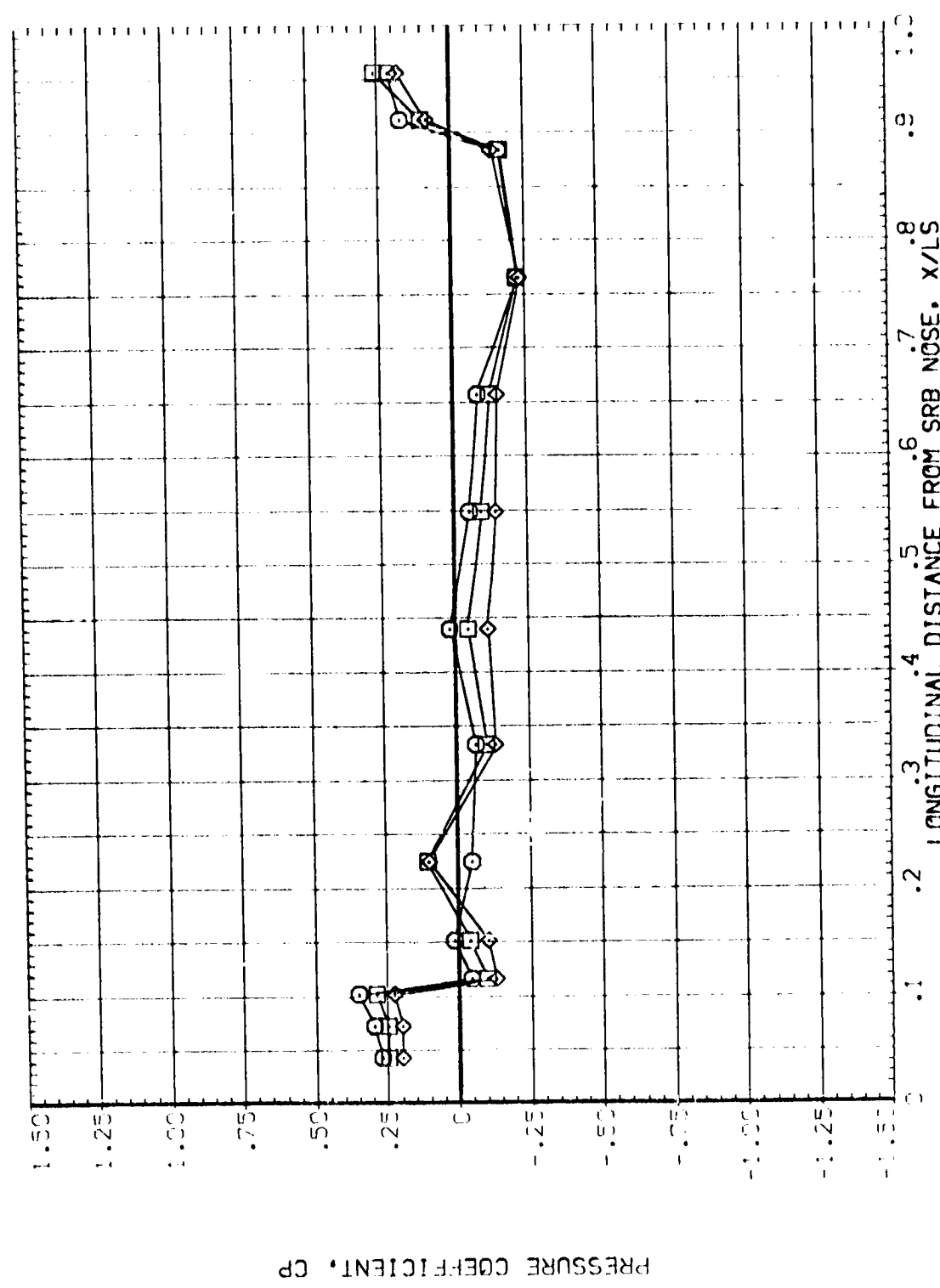
SYMBOL	UNIT	BE ^{TA}	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SG IN.	ALPHA	-5.000	CONFIS	90.000
1	297.500	1.000	1.960	LBREF	5.313	DELTA Z	.140	RUDER	.000
2	310.000			SREF	5.313	X-SRB	.000	SRB INC	.500
				X-SRB	2.545				
				Y-SRB	.972				
				Z-SRB	1.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

NSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

SYMBOL	UNIT	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SD IN.	ALPHA	CONF IG
◇	1.00	4.000	1.960	5.198	IN.	DELTA Z	RUDER
	22.500			5.313	IN.	X-SRB	.000
	45.000			2.549	IN.		.000
				.972	IN.		.500
				.000	IN.		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

SEC 567(A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

5000

[illegible]

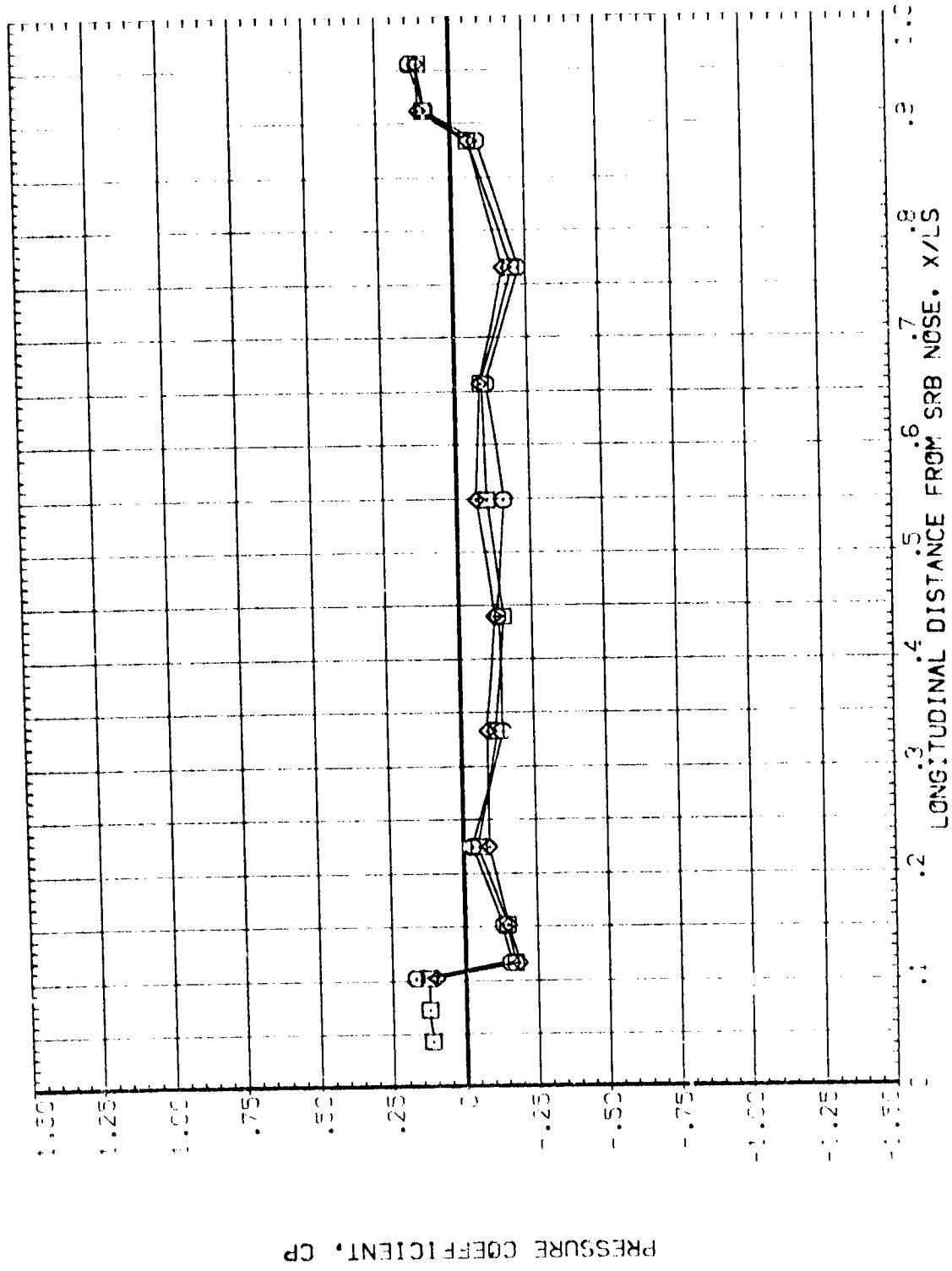
BETA MACH
4.000 1.960

	REFERENCE DATA
SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

z
zzzzzz

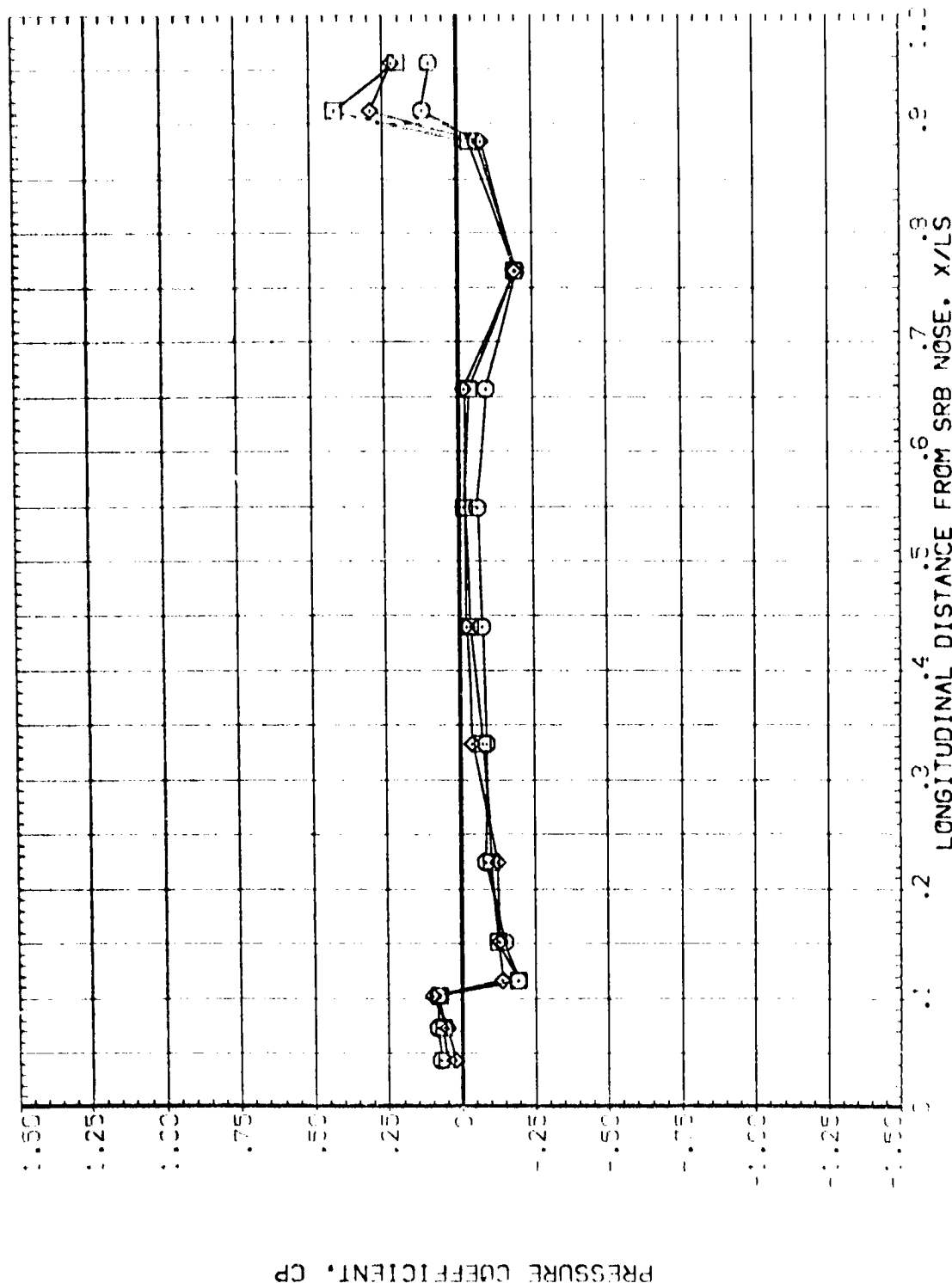
ALPHA
DELTA Z
X-SRB

PARAMETRIC VALUES	
-5.000	CONSTS
.140	RUDDER
.000	ENGINE
	90.000
	.000
	.500



MSEC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

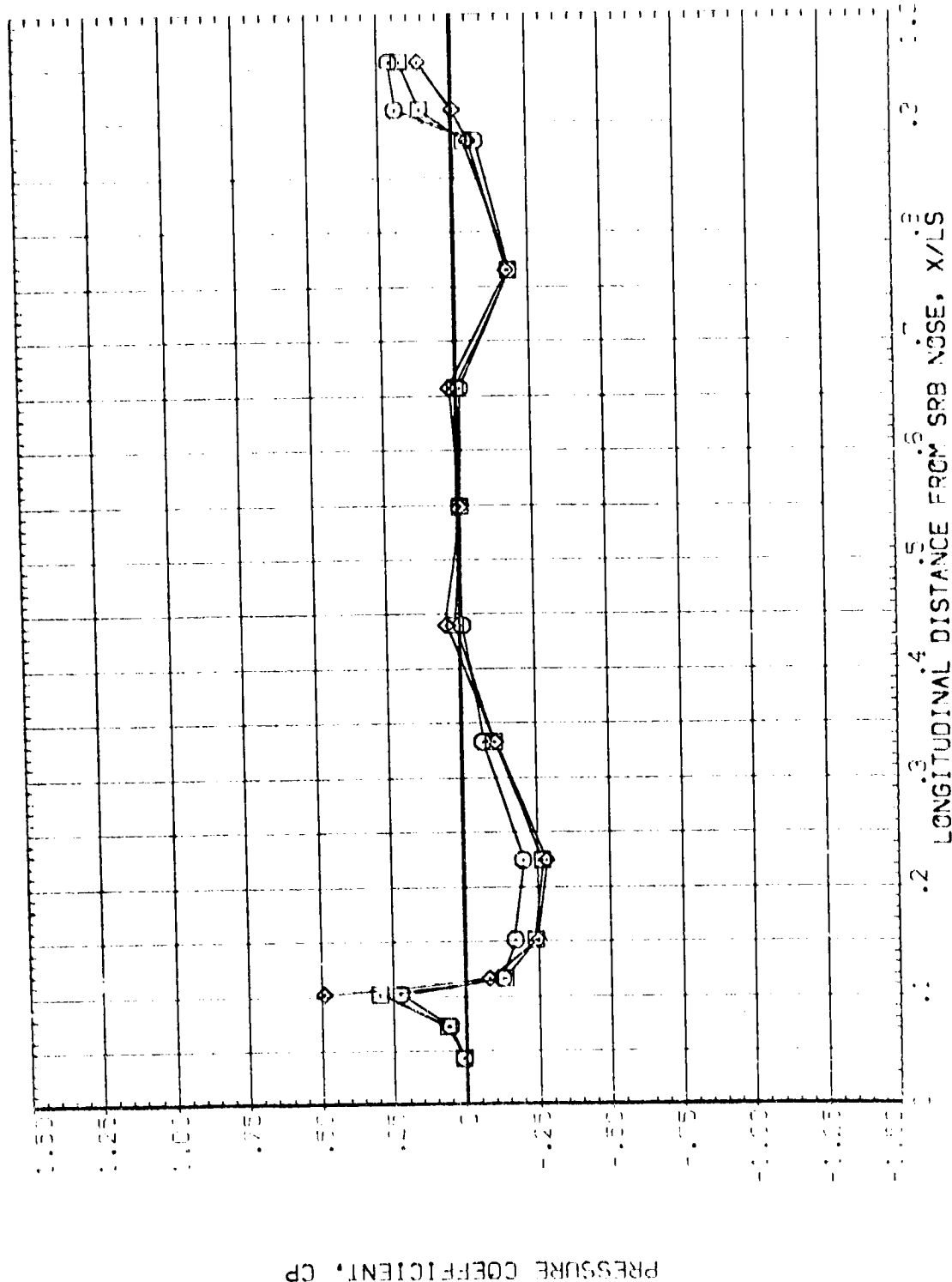
REFERENCE DATA		PARAMETRIC VALUES	
SREF	6.198	ALPHA	-5.000
LREF	5.313	DELTAZ	.140
BREF	5.313	X-SRB	.000
XMRP	2.549	CRGNG	.500
VMRP	.972		
ZMRP	.000		



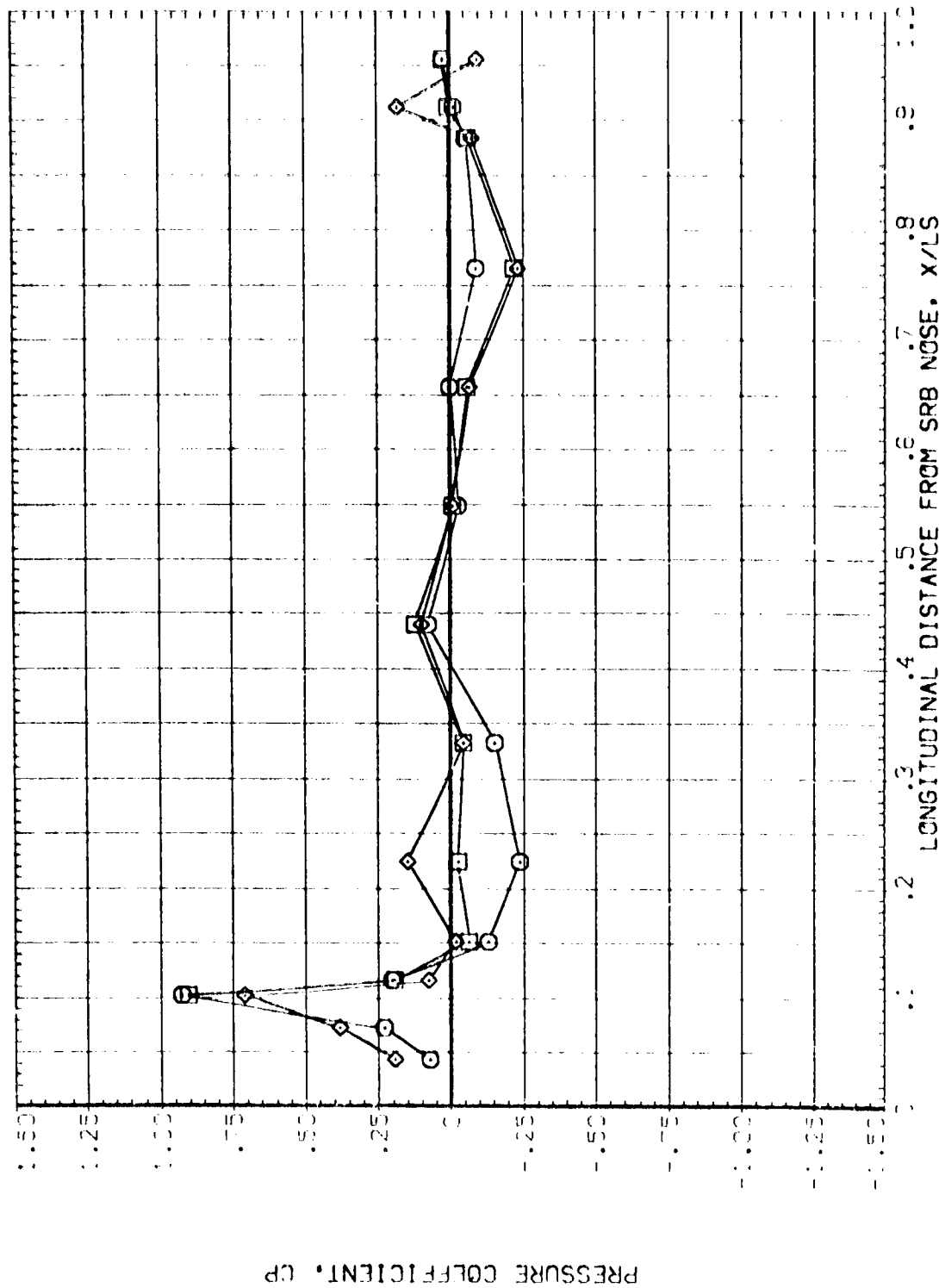
PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

ASFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

SYMBOL	P41	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50.1N.	ALPHA	CONFIG	90.000
202.500		4.000	1.960	LREF	5.313	N.	DELTAZ	RUDDER	.000
225.000				BREF	5.313	N.	X-SRB	393.1N	.300
247.500				XPRD	2.549	N.			
				YPRD	.972	N.			
				ZPRD	.000	N.			



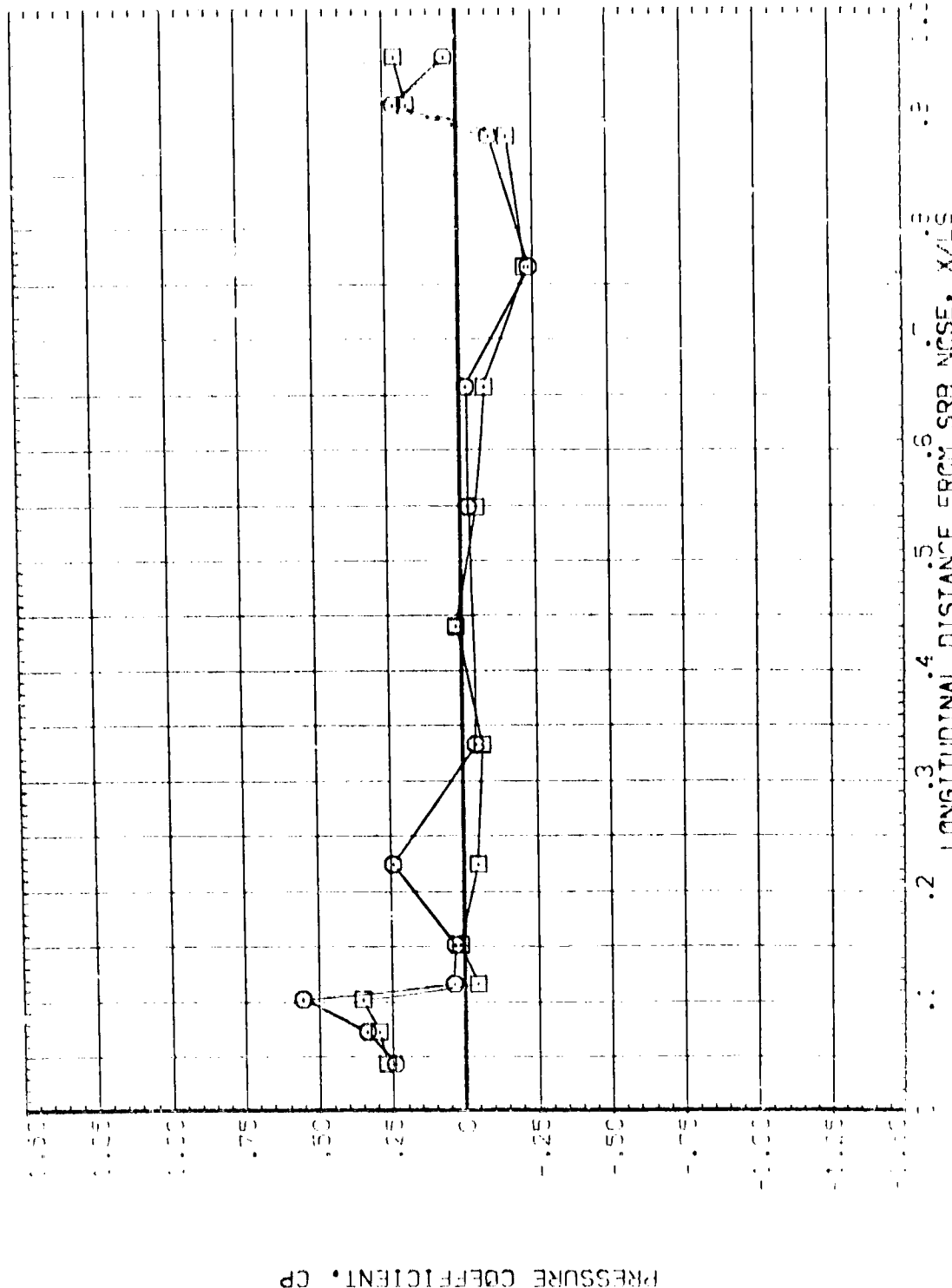
PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

[illegible]

Pressure Distribution on Left SRM Booster T9 S3/2 S3/2 S3

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82SC4)

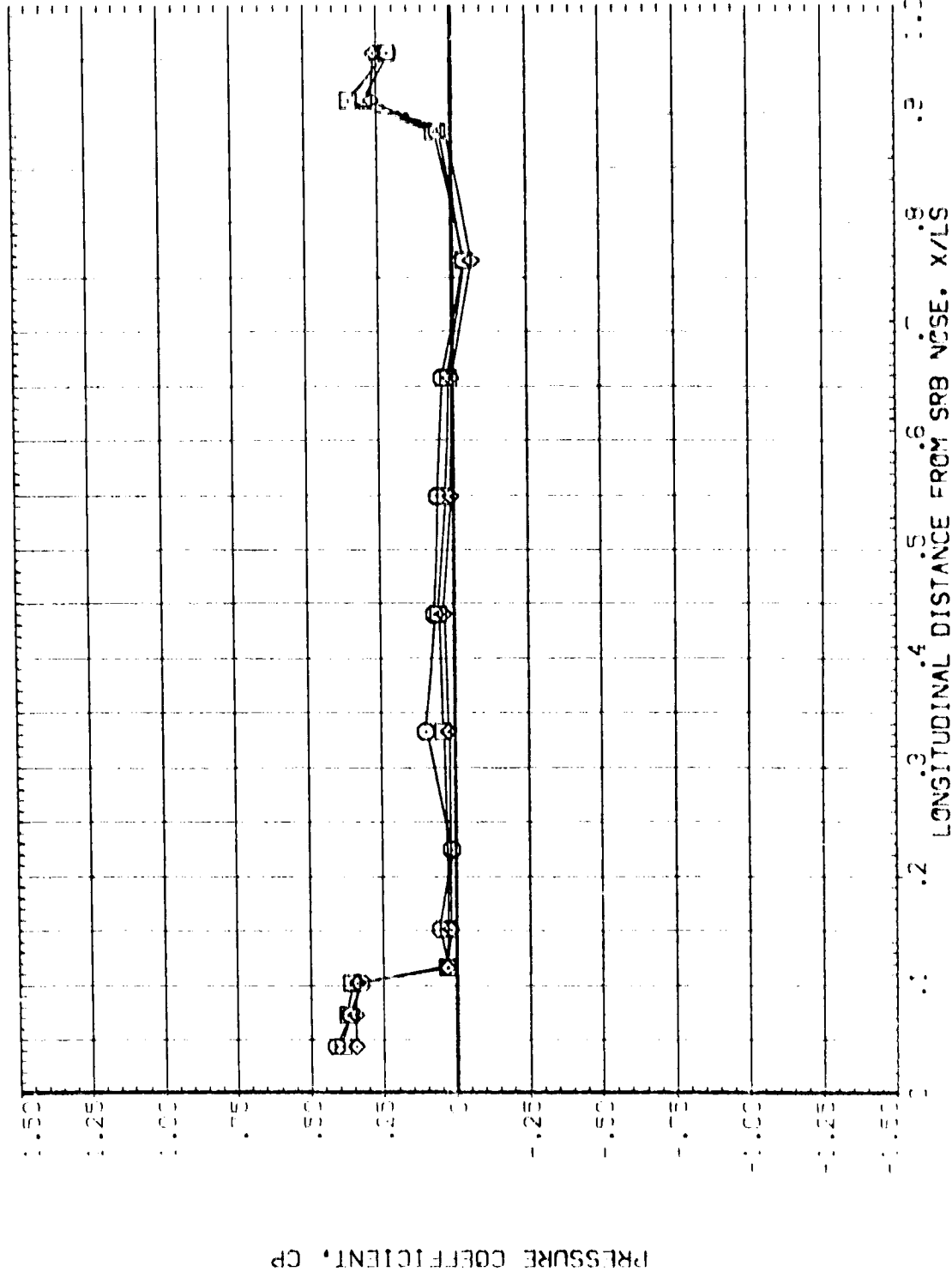
PARAMETRIC VALUES		REFERENCE DATA		PARAMETRIC VALUES	
ALPHA	-5.000	SC IN.	5.198	CONF TS	90.000
DELTA Z	.145	SRF	5.313	CONF TS	.000
X-SRB	.000	LBREF	5.313	CONF TS	.000
		BRF	2.548	CONF TS	.500
		YREF	.972		
		ZREF	.000		



LONGITUDINAL DISTANCE FROM SRB NOSE, X/L

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

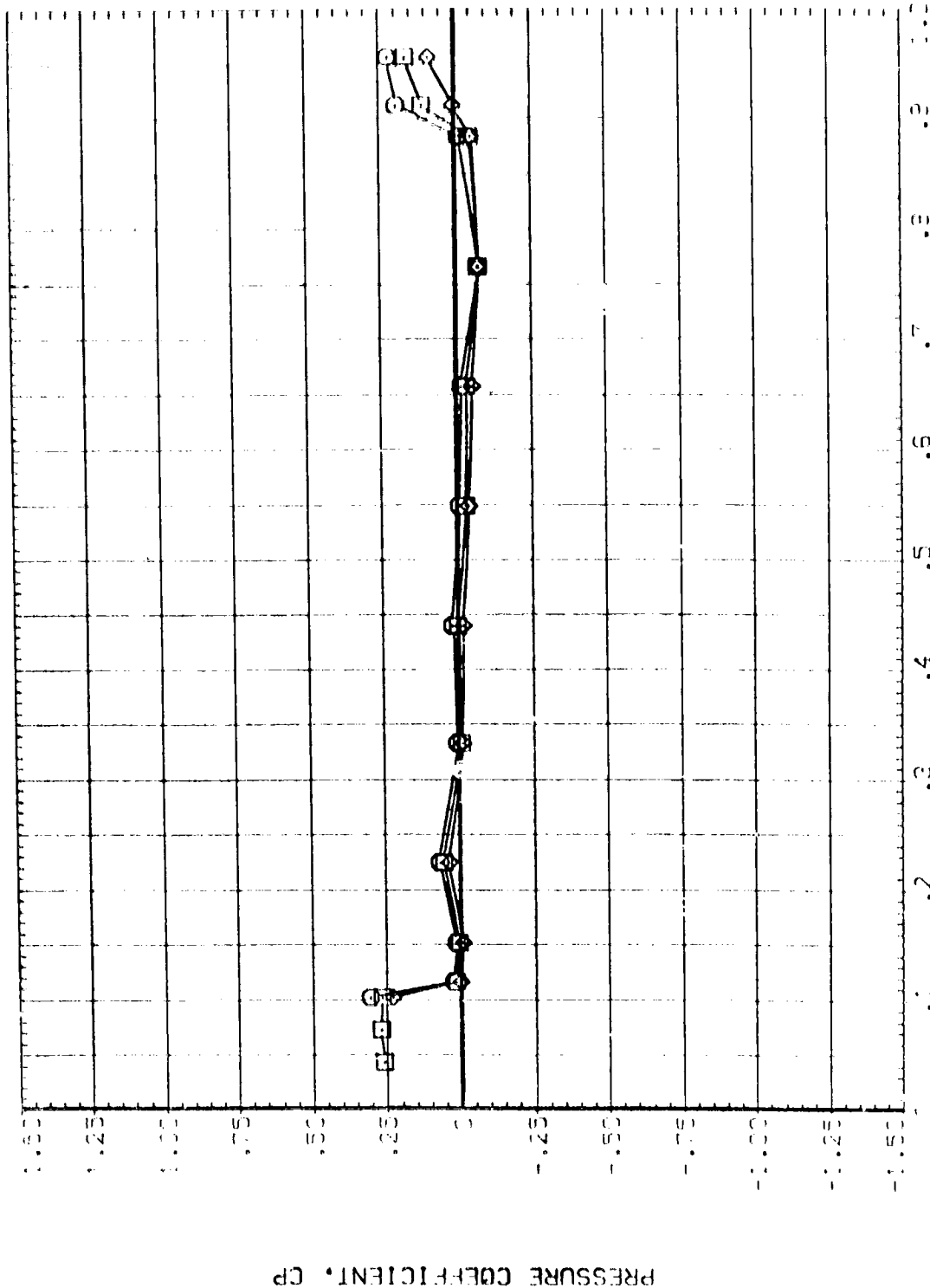
SYMBOL	UNIT	REFERENCE DATA		PARAMETRIC VALUES	
		SRM	SRM	SRM	SRM
BETA		6.198	50. IN.	-5.000	0.000
OGG		5.313	IN.	.140	.000
22.500		5.313	IN.	.000	.000
45.000		2.548	IN.	.000	.000
		.972	IN.		
		.000	IN.		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

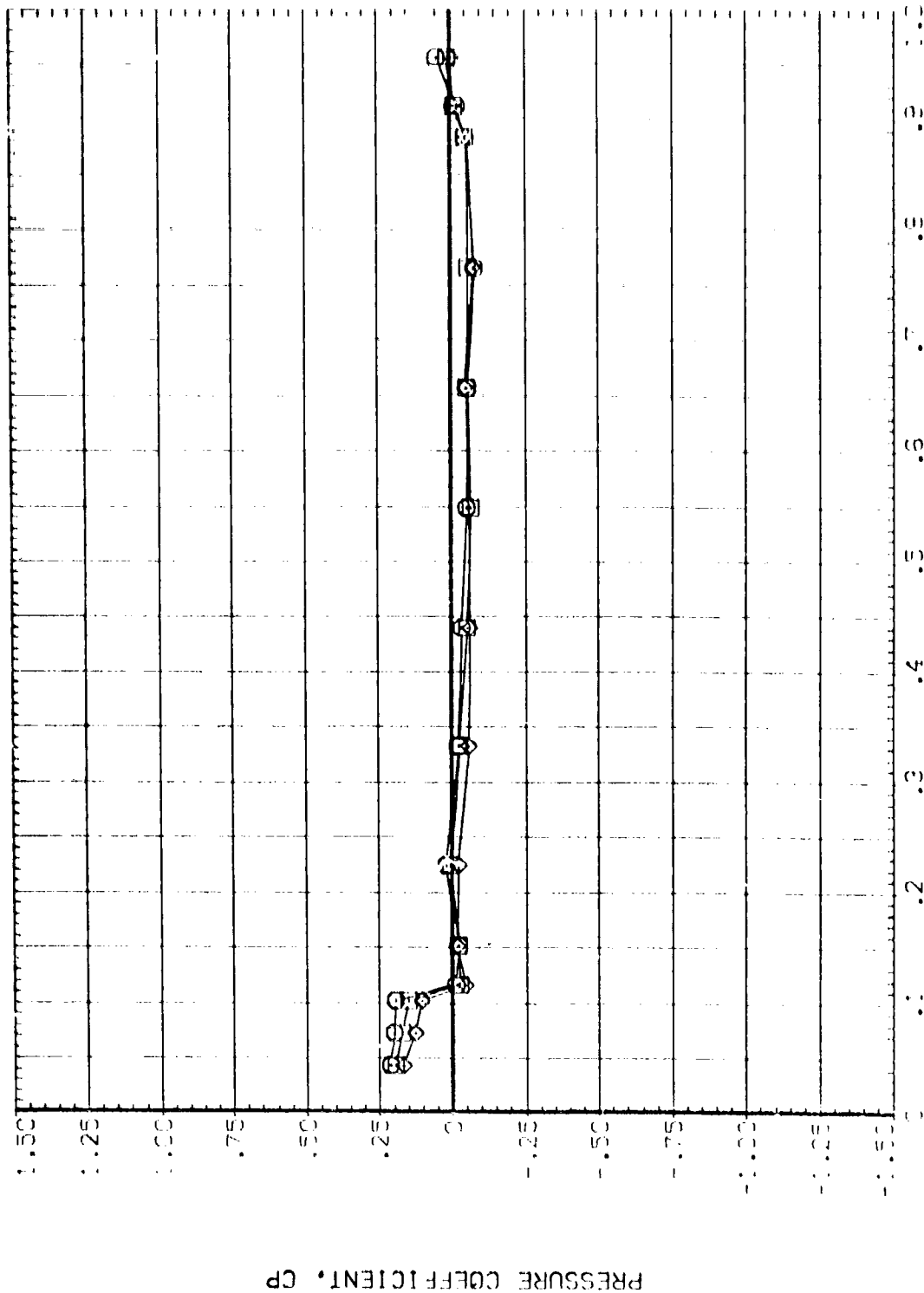
SYMBOL	BETA		MACH		REFERENCE DATA		PARAMETRIC VALUES	
	97.500	-4.000	3.490		SREF	6.199	-5.000	30.000
	20.000				LREF	5.313	.000	1.000
	112.000				BREF	5.313	.000	500
					XMRP	2.548		
					YMRP	.972		
					ZMRP	.000		
					ALPHA			
					DELTA Z			
					X-SPB			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

SYMBOL	P-1	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	SO. IN.	ALPHA	CONFID
1351.000		-4.000	3.480	LREF	5.313	IN.	DELTA Z	P.000
1571.500				BREF	5.313	IN.	X-SRB	CONFID
1801.000				YREF	2.546	IN.		
				ZREF	.972	IN.		
					.000	IN.		

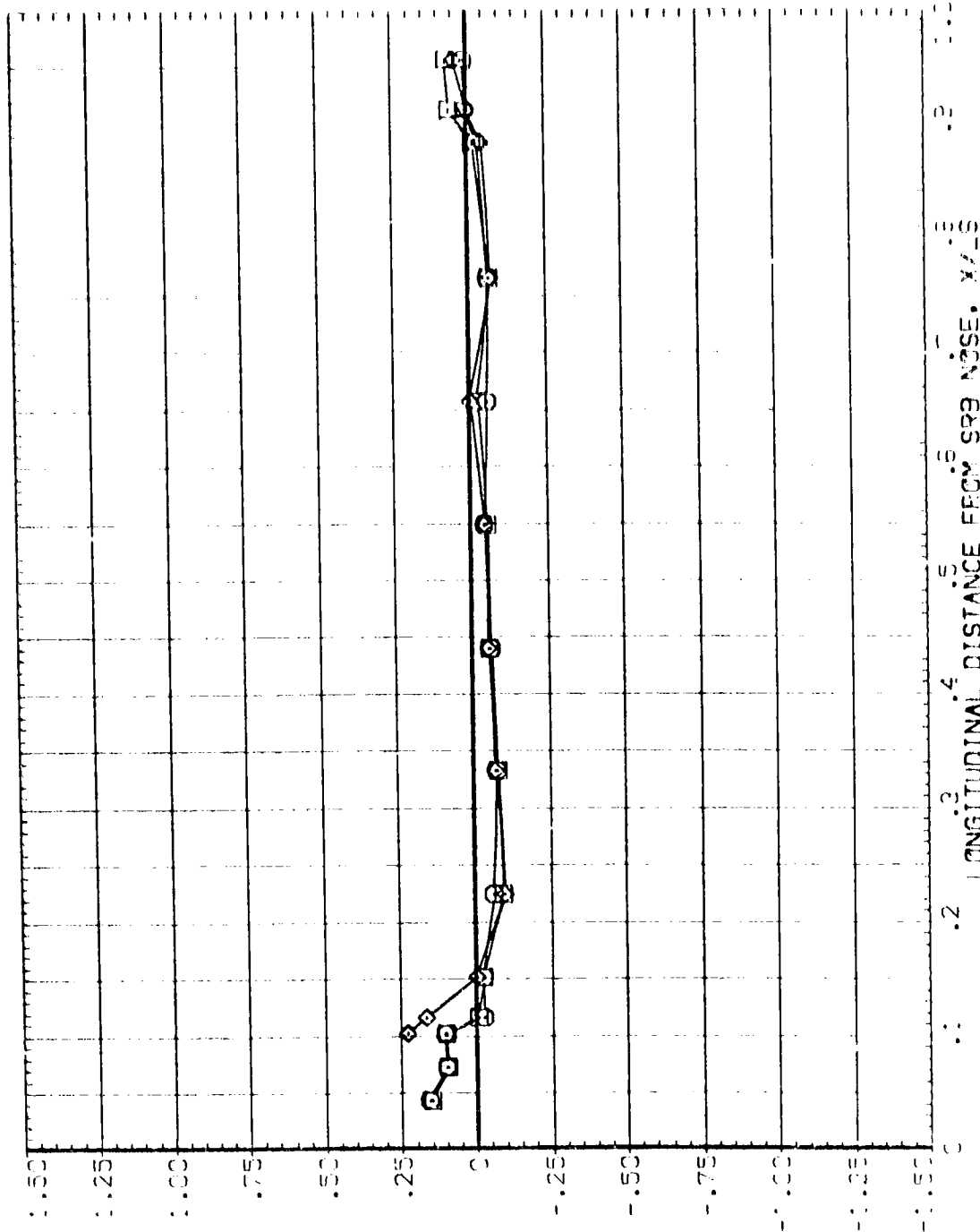


LONGITUDINAL DISTANCE FROM SRB NOSE, X/LS

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 23

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER CA929C40

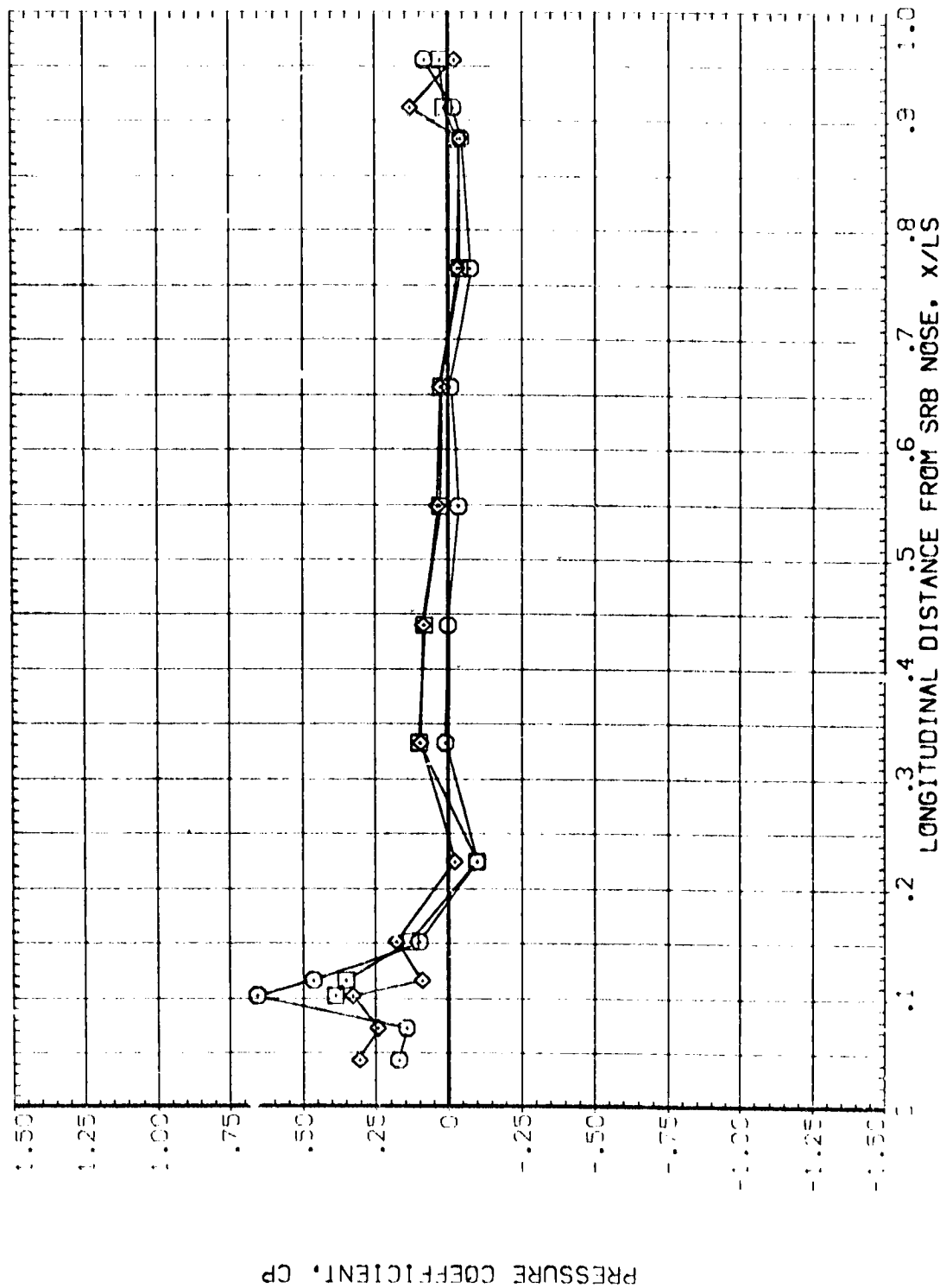
SYMBOL	BETA	MACH	REFERENCE DATA	PARAMETER VALUES
202.500	-4.000	3.480	SPREF 6.198	SG-IN. 50.000
225.000			LPREF 5.313	DELTAZ 2.000
247.500			BPREF 5.313	DELTAZ 2.000
			XREF 2.549	DELTAZ 2.000
			YREF .972	DELTAZ 2.000
			ZREF .000	DELTAZ 2.000



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

ASFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

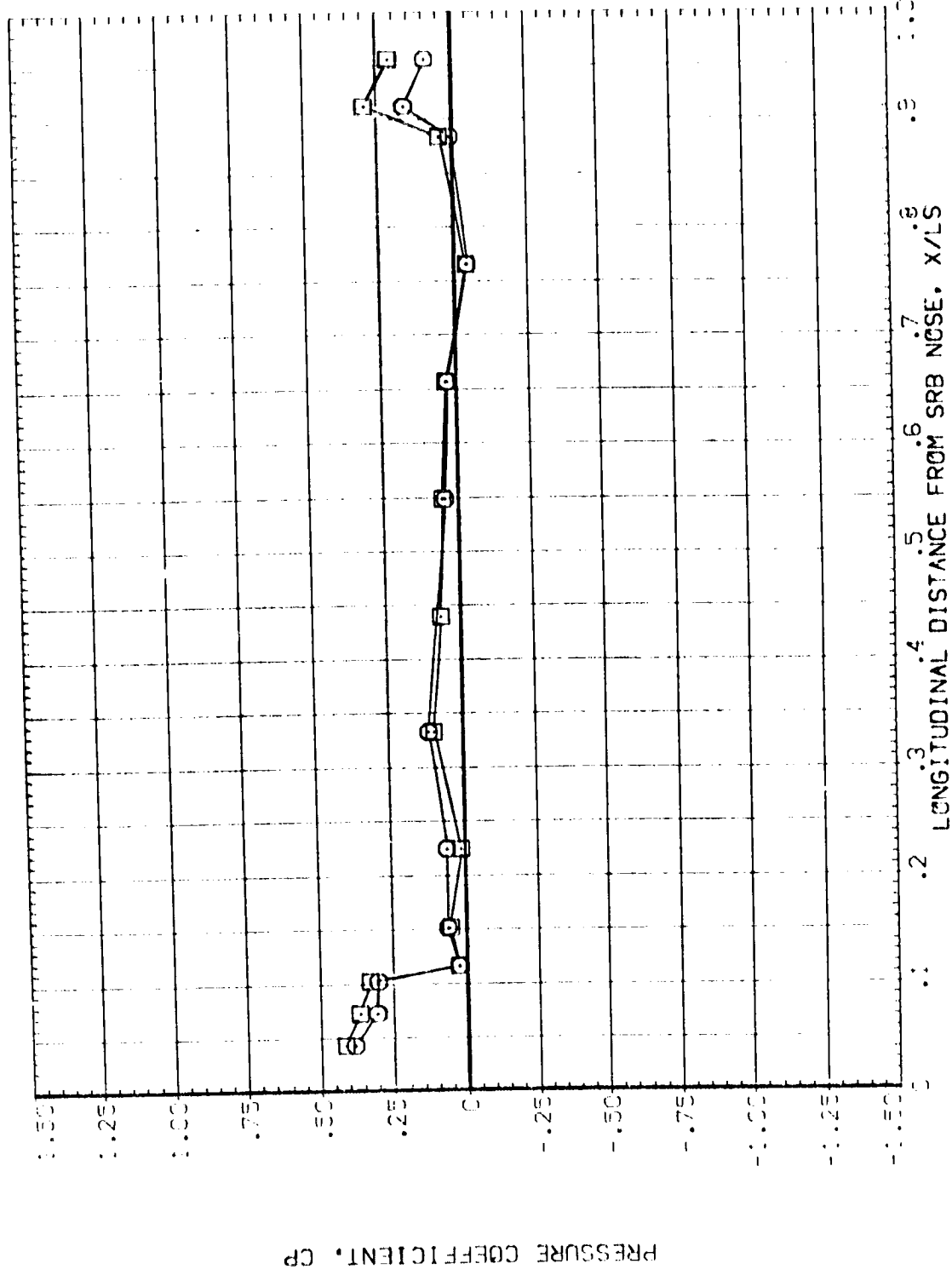
PARAMETRIC VALUES		REFERENCE DATA		ALPHA		PARAMETRIC VALUES	
BETA	MACH	SREF	6.198	50. IN.	DELTA Z	CONFIG	90.000
-4.000	3.480	LREF	5.313	IN.	X-SRB	RUCER	.000
		BREF	5.313	IN.		CONFIG	.500
		XWRP	2.548	IN.			
		ZWRP	.972	IN.			
			.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

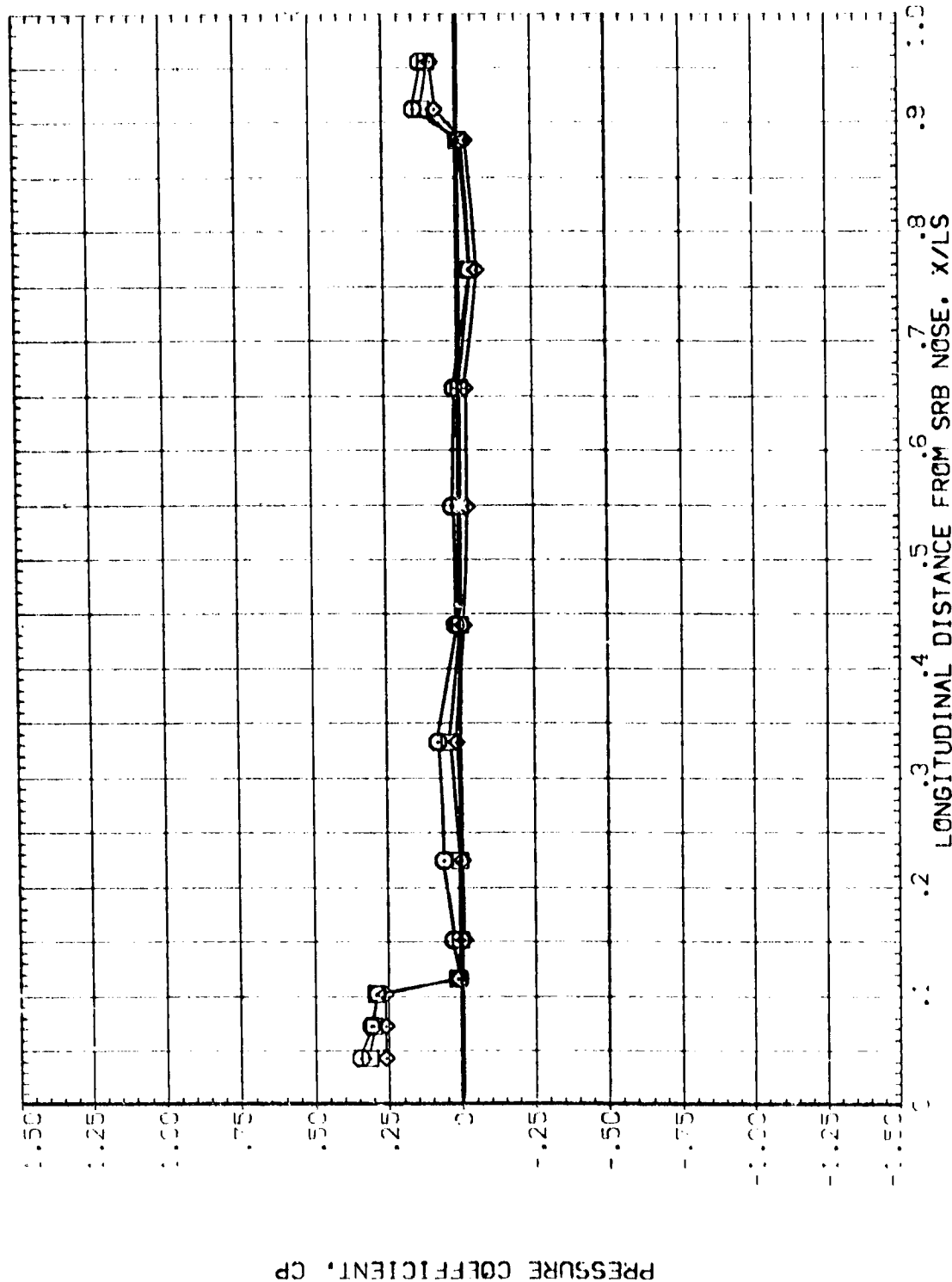
REFERENCE DATA		PARAMETRIC VALUES	
SREF	6.198	ALPHA	-5.000
LREF	5.313	DELTAZ	.140
YREF	5.313	RUDER	.000
XMRP	2.548	CP	.000
YMRP	.972		
ZMRP	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

WSEC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

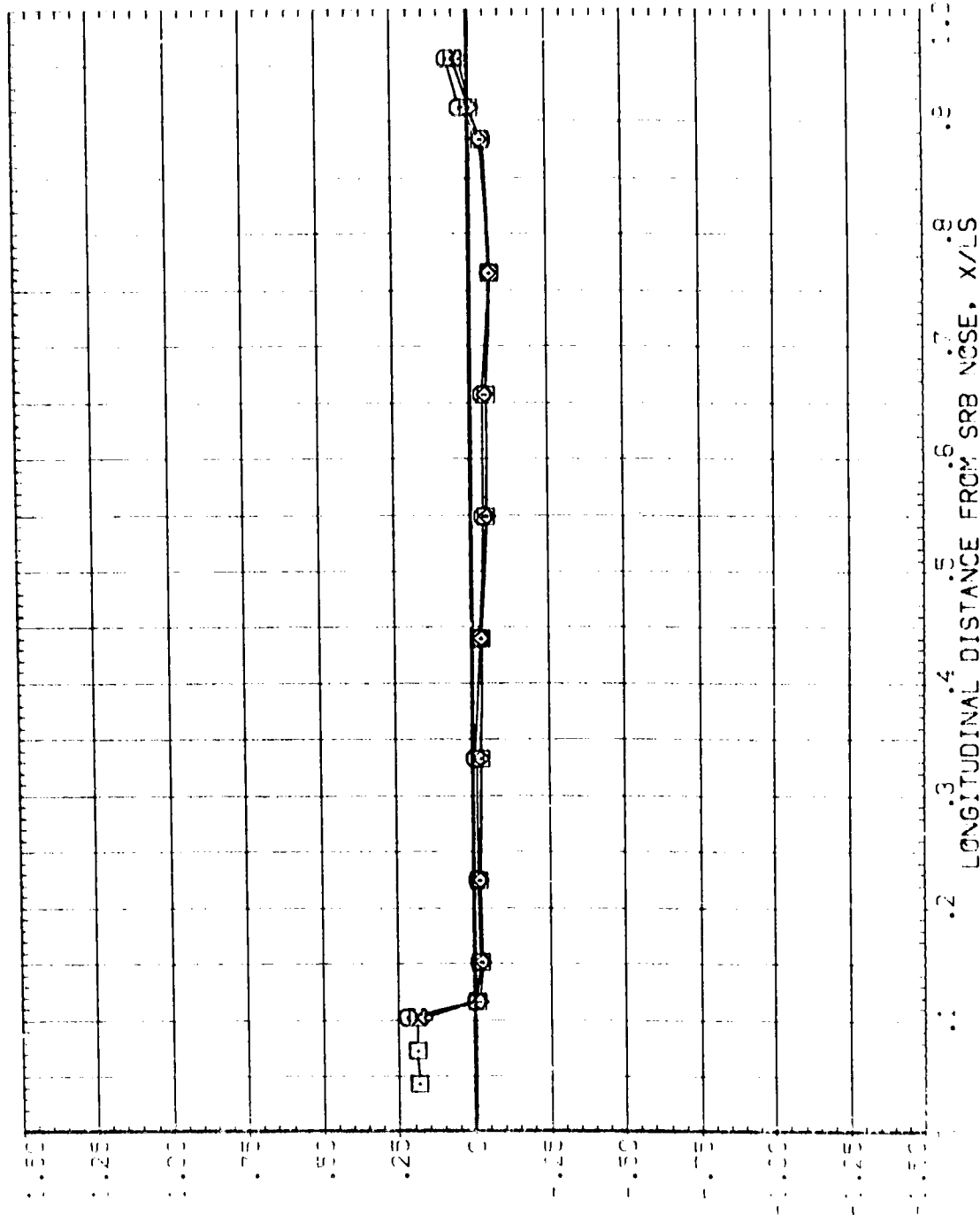
SYMBO	WSEC	BETA		MACH		REFERENCE DATA				PARAMETRIC VALUES			
		1	2	3	4	SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTAZ
◇	100	.000	.000	3.480		5.198	5.313	5.313	2.549	.372	.000	-5.000	.000
◇	500											.40	.000
◇	1000											.000	.000
◇	1500											.000	.500
◇	2000											.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

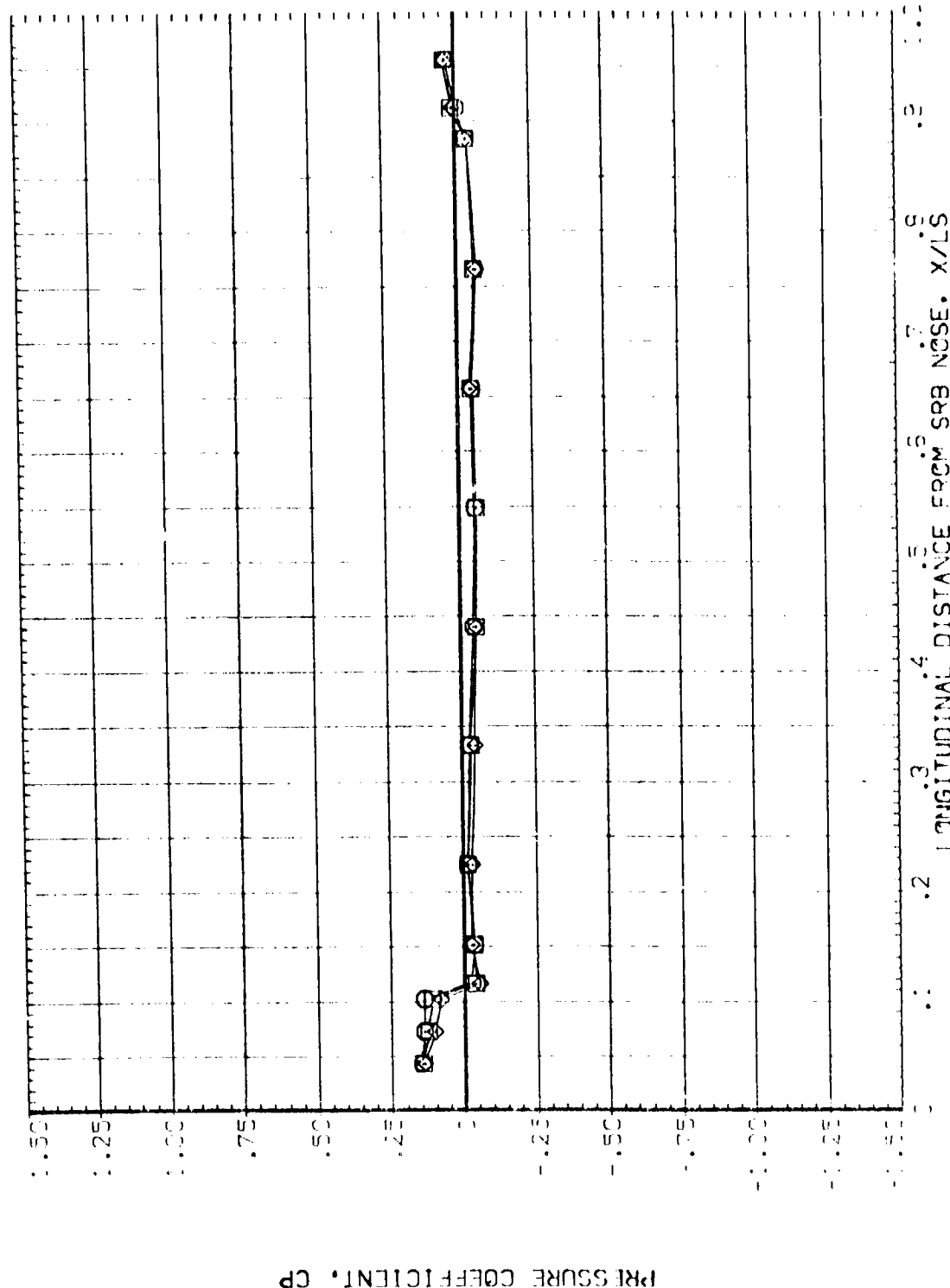
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

PARAMETRIC VALUES		REFERENCE DATA		ALPHA		CONFID	
SRM	567(1A32F)	SREF	6.198	DELTA Z	-5.000	CONFID	90.000
SRM	567(1A32F)	LRREF	5.313	X-SRB	.000	CONFID	.000
SRM	567(1A32F)	BRREF	5.313		.000	CONFID	.000
SRM	567(1A32F)	VMREF	2.548		.000	CONFID	.000
SRM	567(1A32F)	VMREF	.972		.000	CONFID	.000
SRM	567(1A32F)	ZMREF	.000		.000	CONFID	.000



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

CH	BETA	MACH	REFERENCE DATA	SO IN.	CHARGE	REL V-VEES
35.000	.000	3.480	SREF 6.198	ALPHA	-5.000	05.575
167.500			LREF 5.313	DELTA Z	.140	9.000
167.500			SREF 5.313	X-S9B	.000	0931NC
167.500			XREF 2.549			
167.500			WREF 1.000			
167.500			ZREF 1.000			



65 7/35 7/35 61

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

70615

140
005-202
000-525
003-142

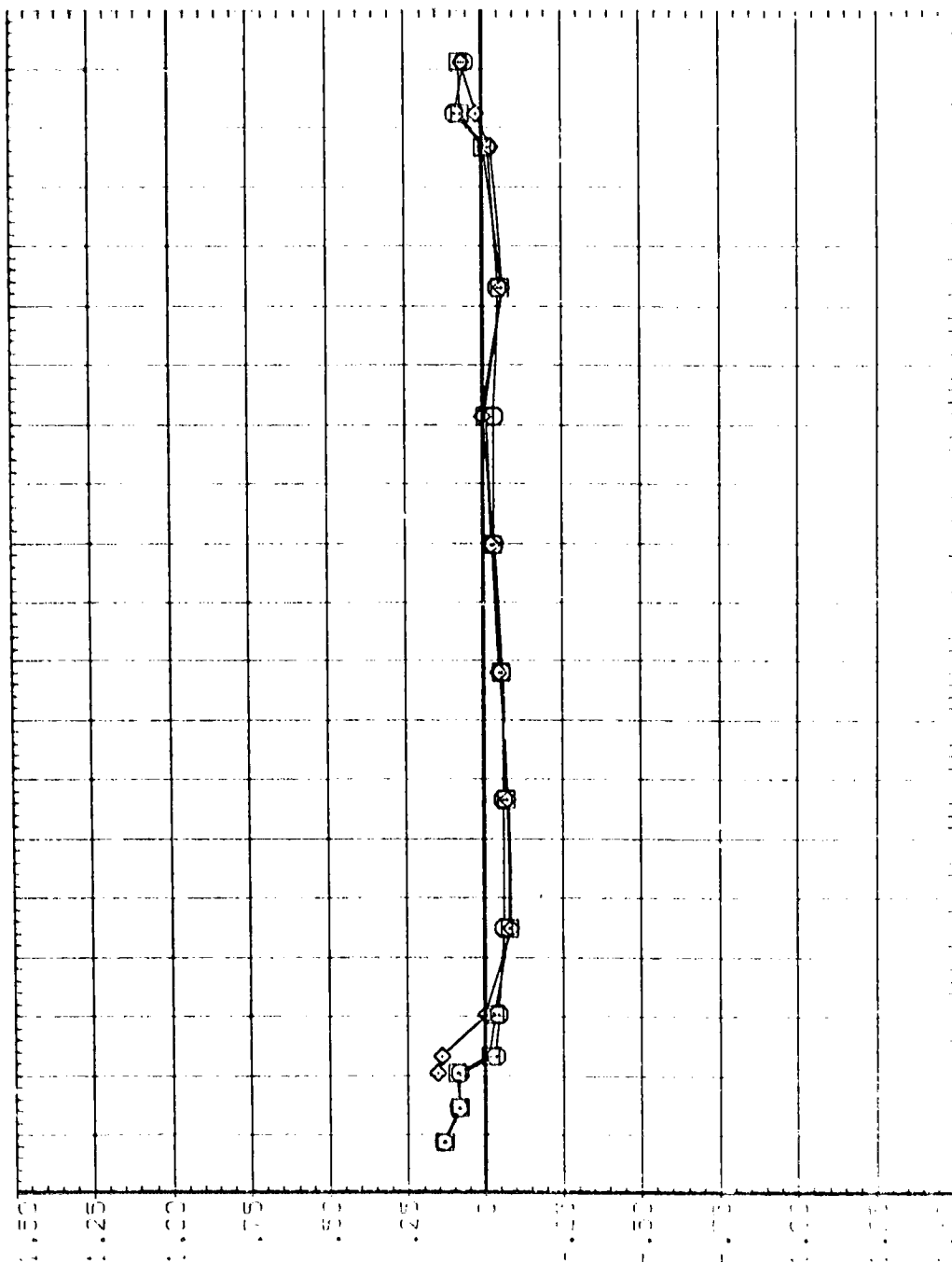
BEVA	MACH
.000	3.480

	REFERENCE DATA
SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

PARAMETRIC VALUES

ALPHA	-5.000	000.000	90.000
DELTA Z	.140	000.000	.000
X-SRB	.000	000.000	.500

ALPHA
DELTA Z
X-SP9

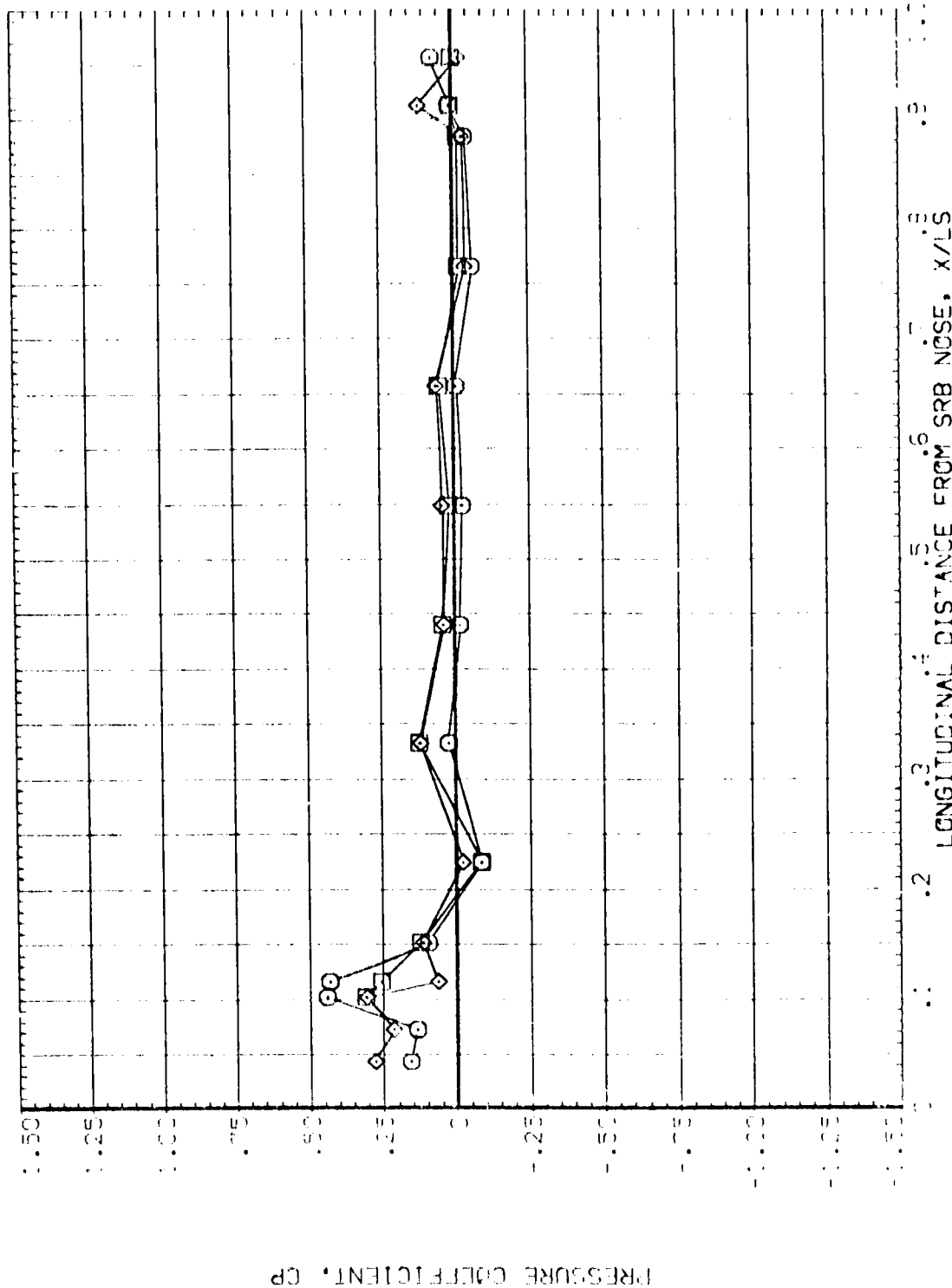


	.2	.3	.4	.5	.6	.7	.8
LONGITUDINAL DISTANCE FROM SOB NOSE.							
X/LS							

[illegible]

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82SC4)

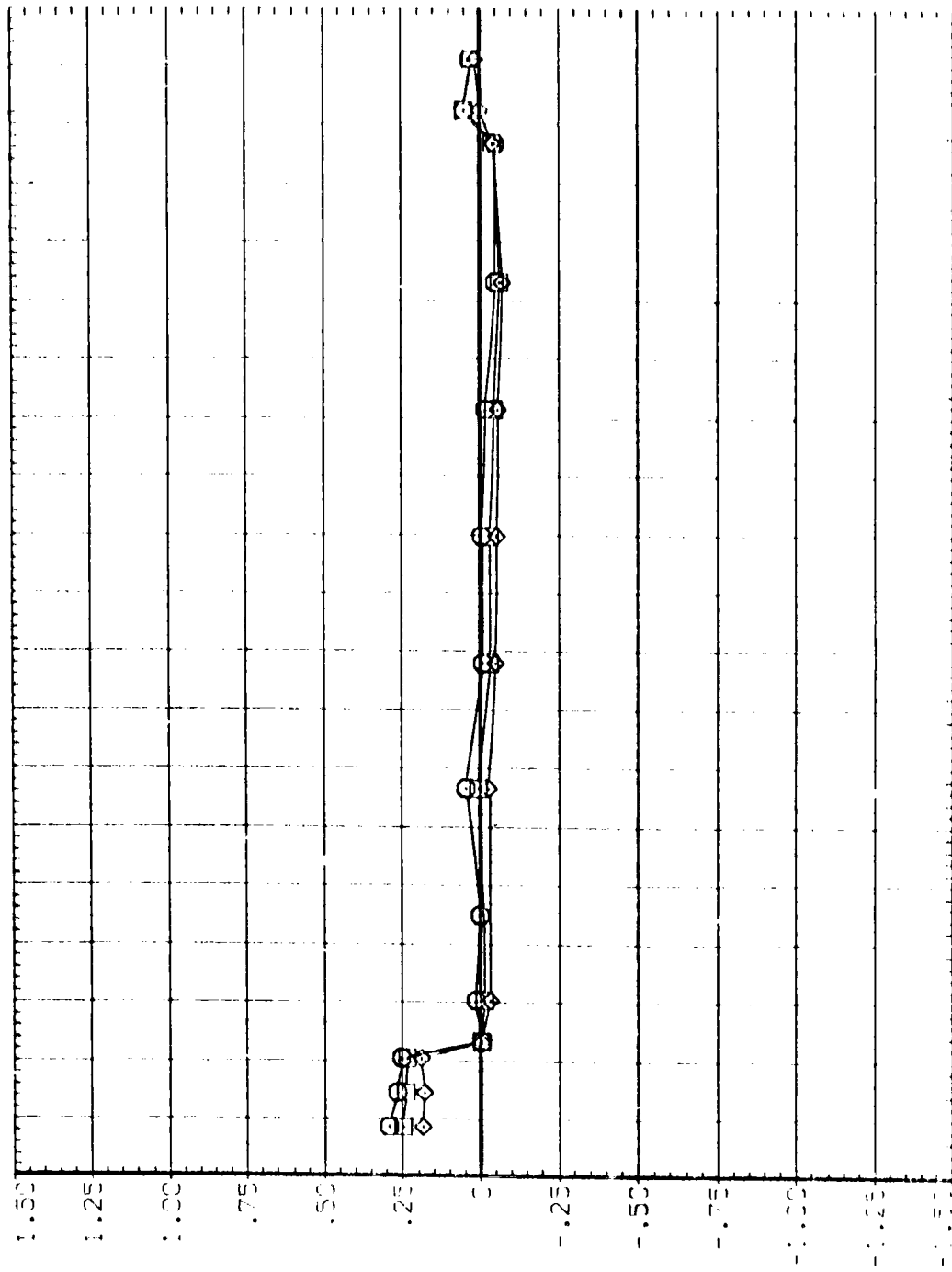
SYMBOL	P-1	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	ALPHA	-5.000	CONFIG	90.000	
	270.000	.000	3.480	LREF	DELTAZ	.140	RUDDER	.000	
	292.500			BREF	X-SRB	.000	399.100	.500	
	315.000			XMRP					
				VMRP					
				ZMRP					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

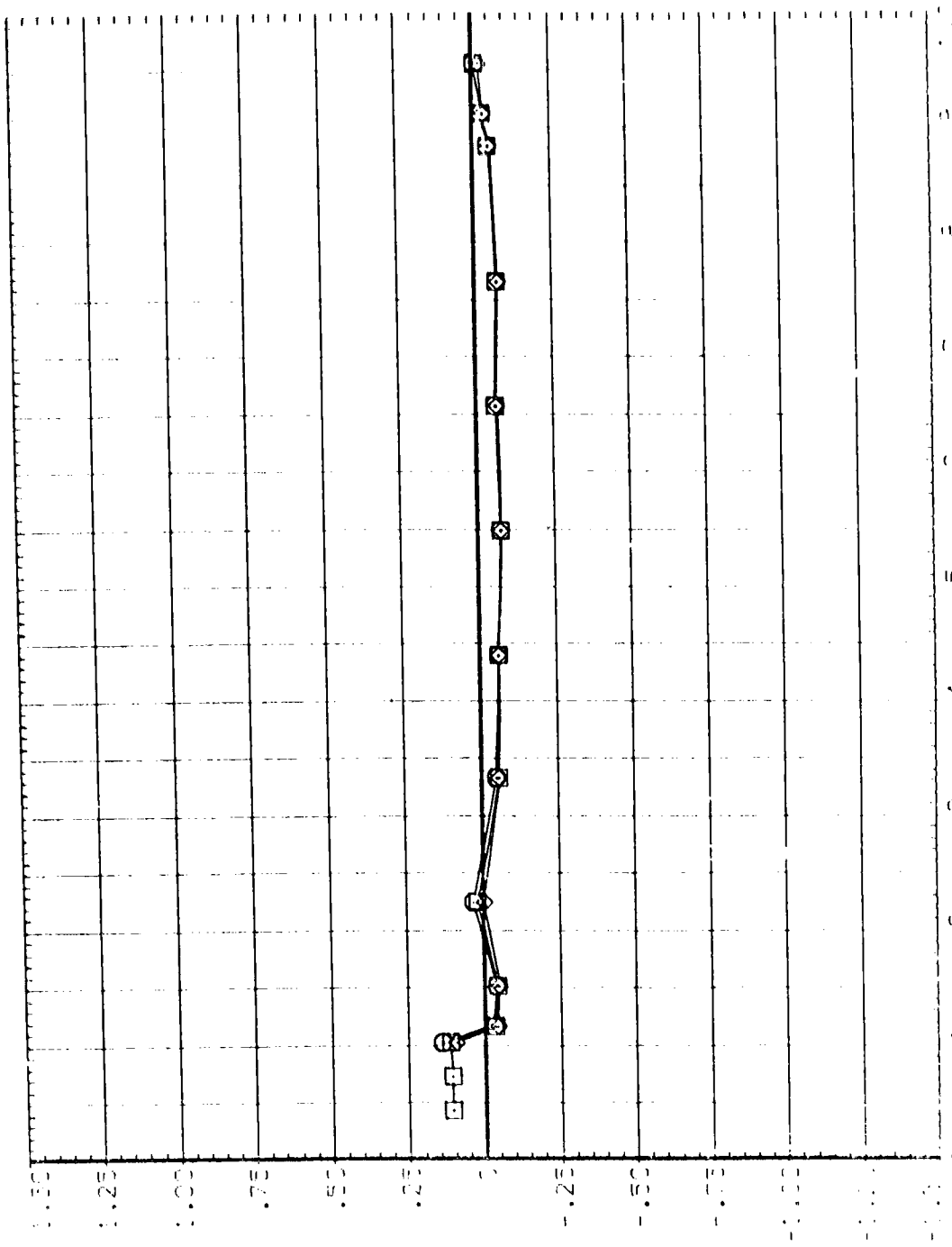
S.M.S.C.	P.M.	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SG.IN.	ALPHA	-5.000	90.000
22.500	.000	4.000	3.480	LREF	5.313	N.	DELTAZ	.140	.000
45.000	.000			BREF	5.313	N.	X-SRB	.000	.500
				XMRD	2.548	N.			
				YMRD	.972	N.			
				ZMRD	.000	N.			



LONGITUDINAL DISTANCE FROM SRB NOSE, X/LB
PRESSURE DISTRIBUTION ON LEFT SRB BOOSTER T9 S3/2 S3/2 03

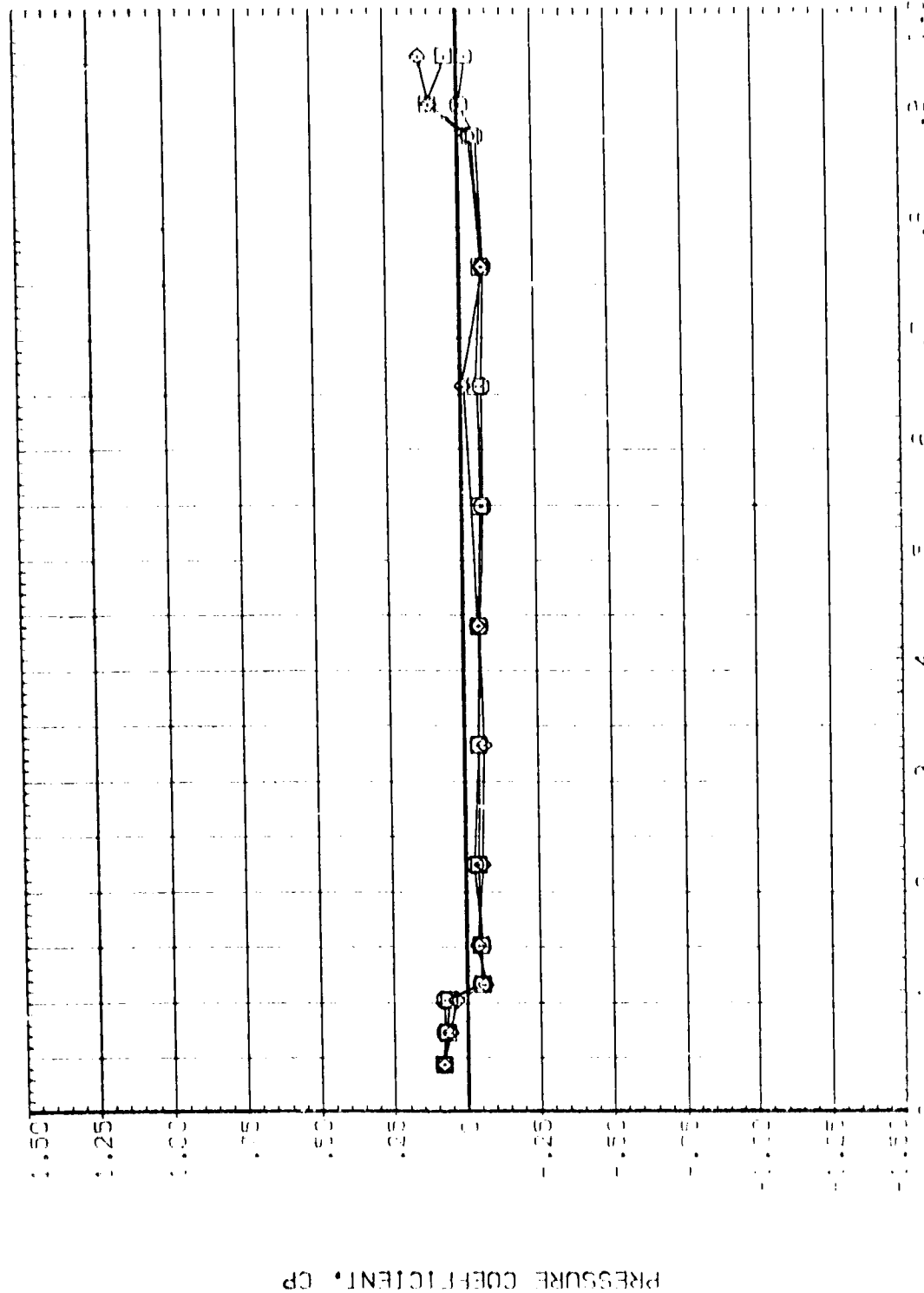
MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

SYMBOL		REFERENCE DATA		PARAMETRIC VALUES	
CHI	BETA	SREF	SG IN.	ALPHA	CONFIG
87.300	4.000	5.313	IN.	DELTAZ	BOOSTER
30.000		5.313	IN.	X-SRB	BOOSTING
112.500		2.549	IN.		
		1.972	IN.		
		1.000	IN.		



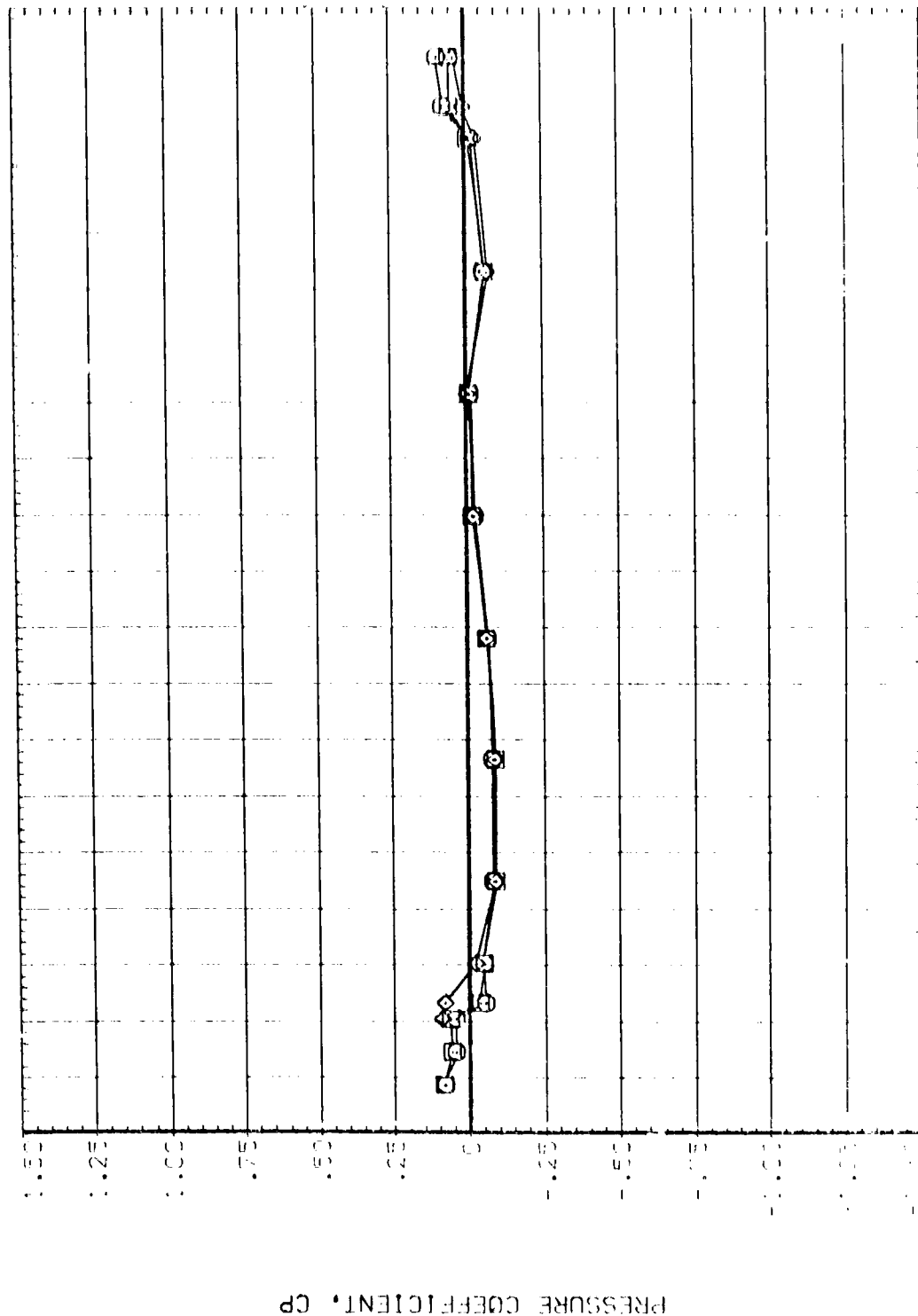
LONGITUDINAL DISTANCE FROM SRB NOSE, X/LB
 PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER TO S3/2 S3/2 03

REFERENCE DATA	SG:IN.	A-D-A	PARAMETRIC VALUES
SOFF	6.198		-5.000
LOFF	51.93		2.000
BOFF	51.93		2.000
POFF	51.93		2.000
XOFF	51.93		2.000
YOFF	51.93		2.000
ZOFF	51.93		2.000

[illegible]

WSE0 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A92S04)

SINGL	PUL	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SRF	SG IN.	ALPHA	DELTA	DELTA	DELTA
202.500	4.000	3.480		8.198	1.000	0.000	0.000	0.000	0.000
225.000				8.313	1.000	0.000	0.000	0.000	0.000
247.500				8.313	1.000	0.000	0.000	0.000	0.000
				2.549	1.000	0.000	0.000	0.000	0.000
				0.712	1.000	0.000	0.000	0.000	0.000
				0.000	1.000	0.000	0.000	0.000	0.000

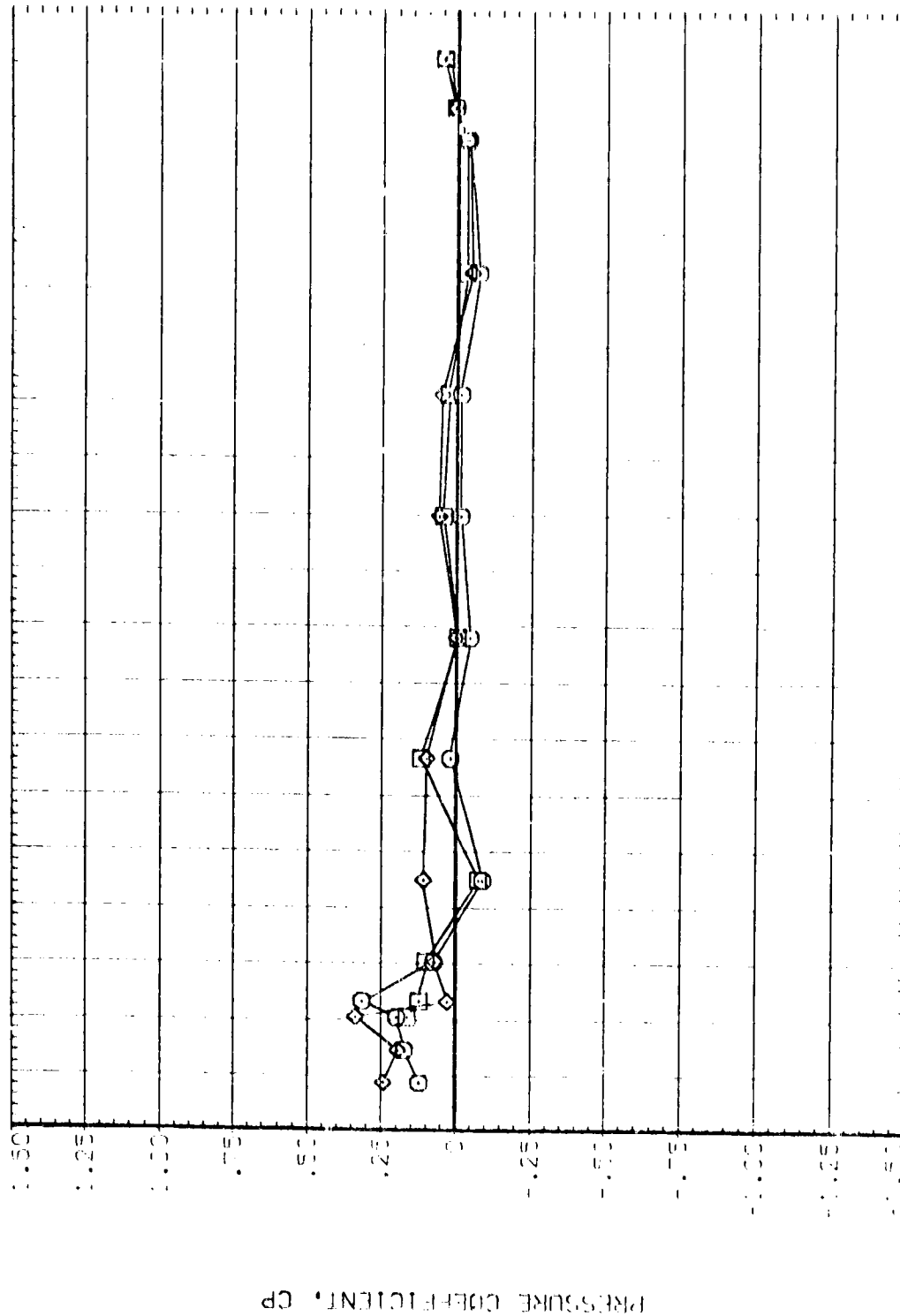


LONGITUDINAL DISTANCE FROM SRM NOSE, X/L

SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82SC4)

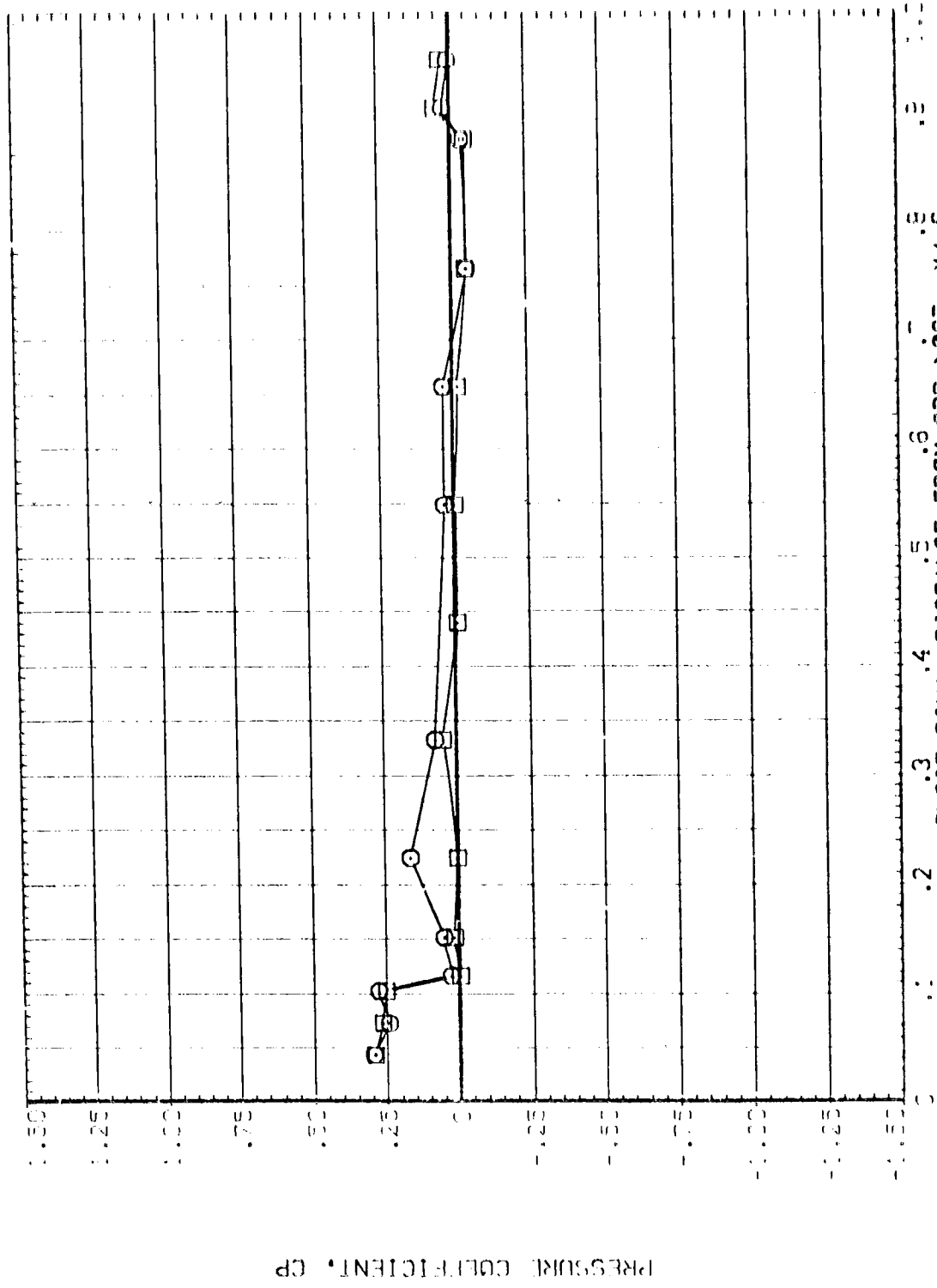
S-VECT	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
			SRFF	SG IN.	ALPHA	-5.000	0.000	90.000
0.000	4.000	3.480	REF	3.13	DELTA	0.000	0.000	0.000
0.000			BREF	3.13	X-SPB	0.000	0.000	0.000
0.000			XREF	2.548				
			YREF	.972				
			ZREF	.000				



LONGITUDINAL DISTANCE FROM SRB NOSE, X/LB
PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

SYMBOL		REFERENCE DATA		PARAMETRIC VALUES	
PH	BETA	MACH	SG IN.	ALPHA	COEFF
337.500	4.000	3.480	6.199	-5.000	30.000
360.000			5.313	.140	1.000
			5.313	.000	999.000
			2.549		
			.972		
			1.000		

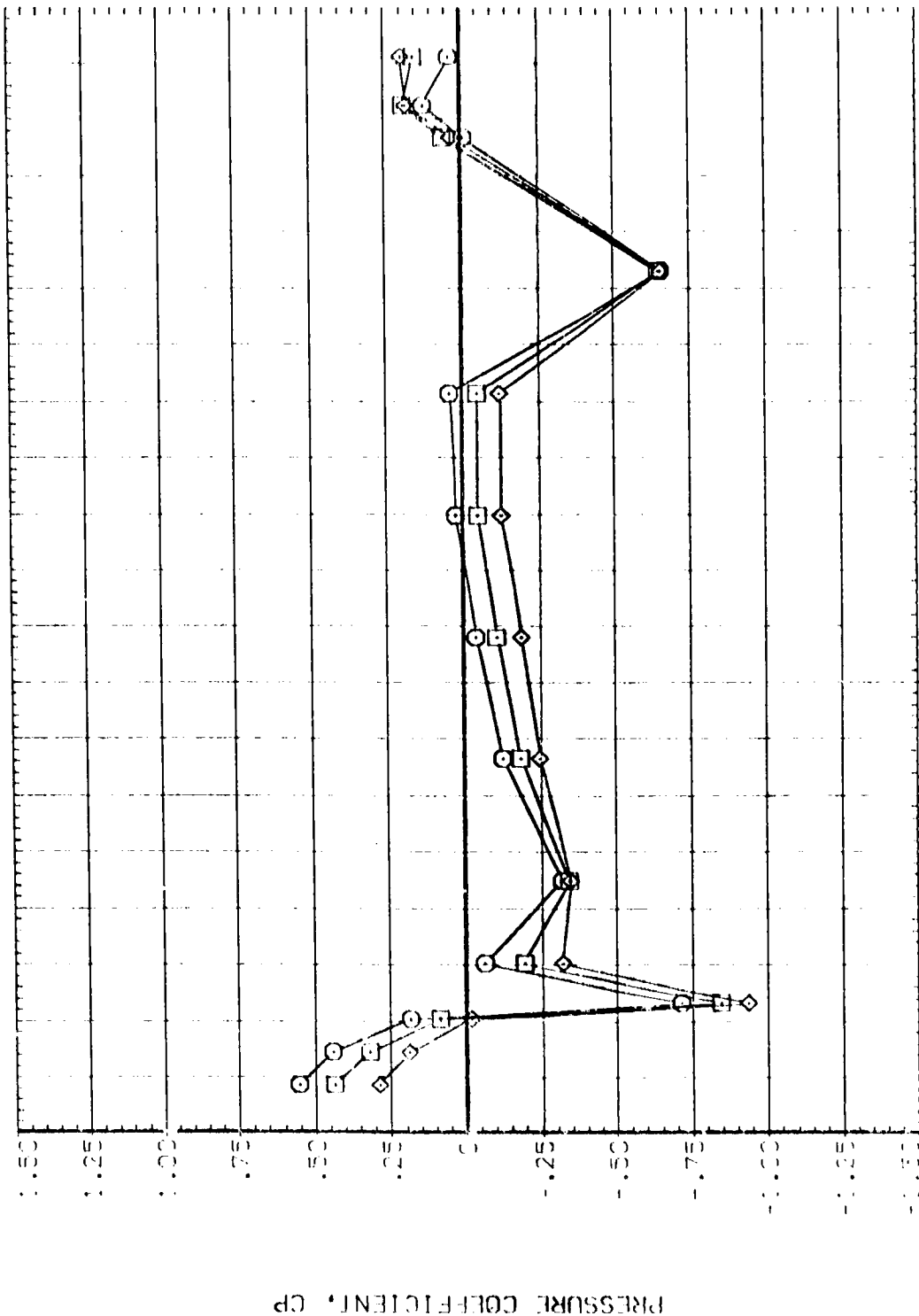


LONGITUDINAL DISTANCE FROM SRB NOSE, X/L

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

SYNOPSIS		REFERENCE DATA		PARAMETRIC VALUES	
PM	ALPHA	SREF	6.198	BETA	.000
.000	-8.000	LREF	5.313	DELTAZ	.140
22.500	.900	BREF	5.313	X-SRB	.000
45.000		XMRB	2.549	YMRB	.000
		ZMRB	.072		
			.000		

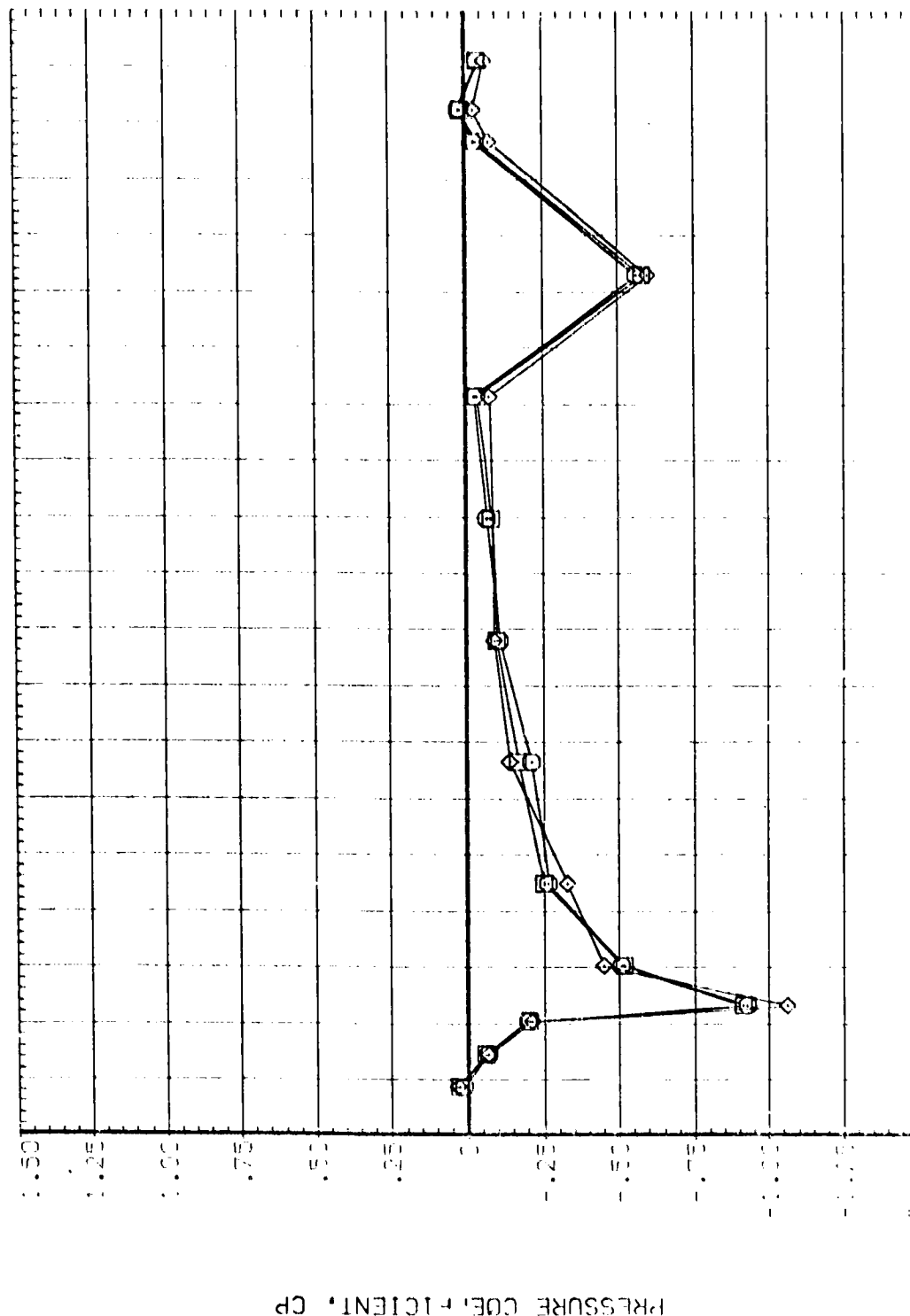


LONGITUDINAL DISTANCE FROM SRB NOSE, X/L

FREE-FLIGHT DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

PARAMETRIC VALUES		REFERENCE DATA		BETA		CONFID	
ALPHA	MACH	SREF	6.198	DELTA Z	.000	CONFID	.90.000
-8.000	.900	LREF	5.313	X-SRB	.000	CONFID	.000
135.000		BREF	5.313				.500
157.500		XMRP	2.549				
160.000		YMRP	.972				
		ZMRP	.003				

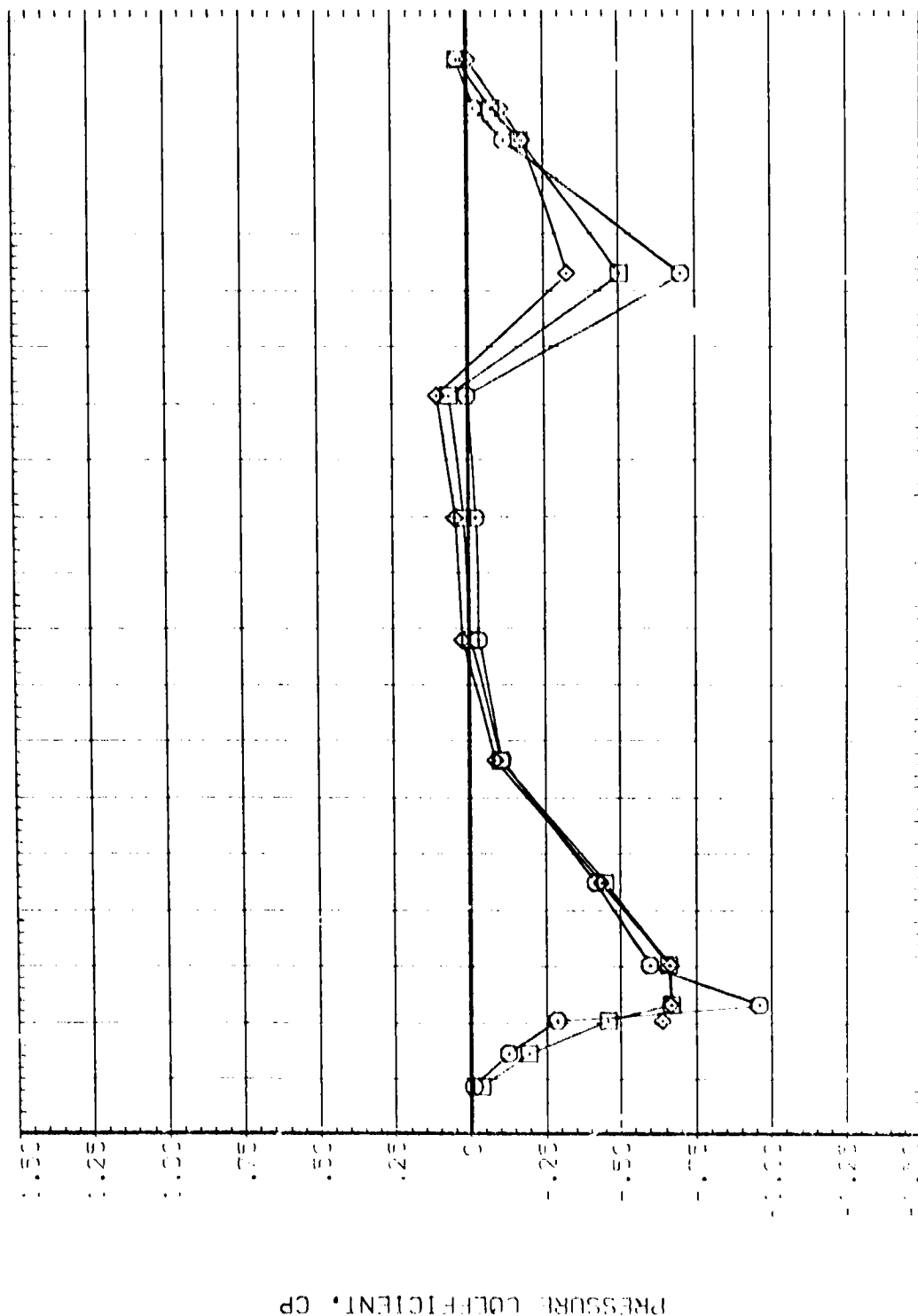


LONGITUDINAL DISTANCE FROM SRB NOSE, X/L

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A22F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82905)

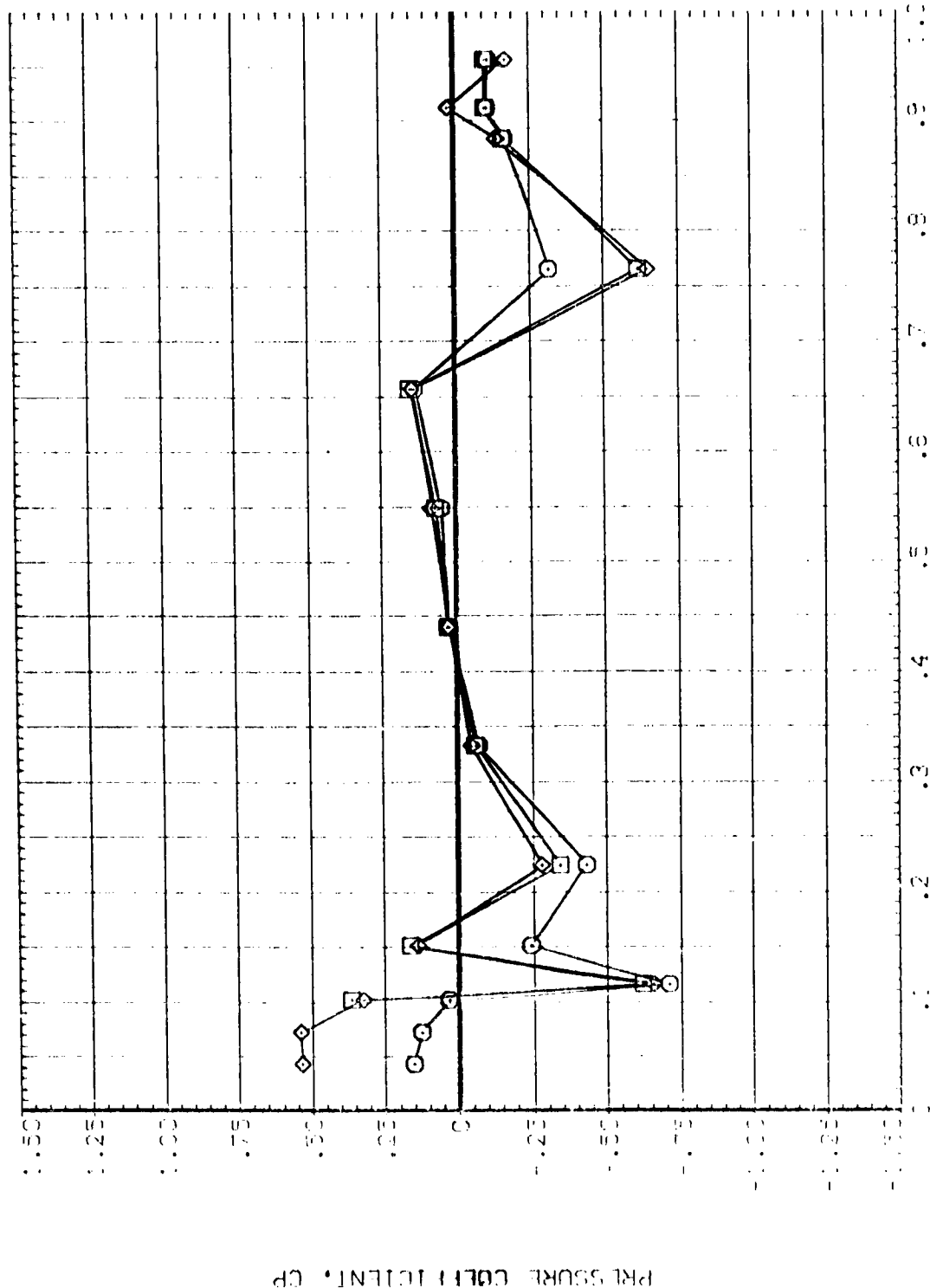
PARAMETRIC VALUES		REFERENCE DATA		PARAMETRIC VALUES	
SPR	1.254	SPREF	6.198	BETA	.000
202.500	-8.000	LRREF	5.313	DELTAZ	.000
243.000	.900	BRREF	5.313	Y-SOB	.000
247.500		MRREF	2.548		
		MRPB	.972		
		MRPB	.000		



LONGITUDINAL DISTANCE FROM SRB NOSE, X/LS
 PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S05)

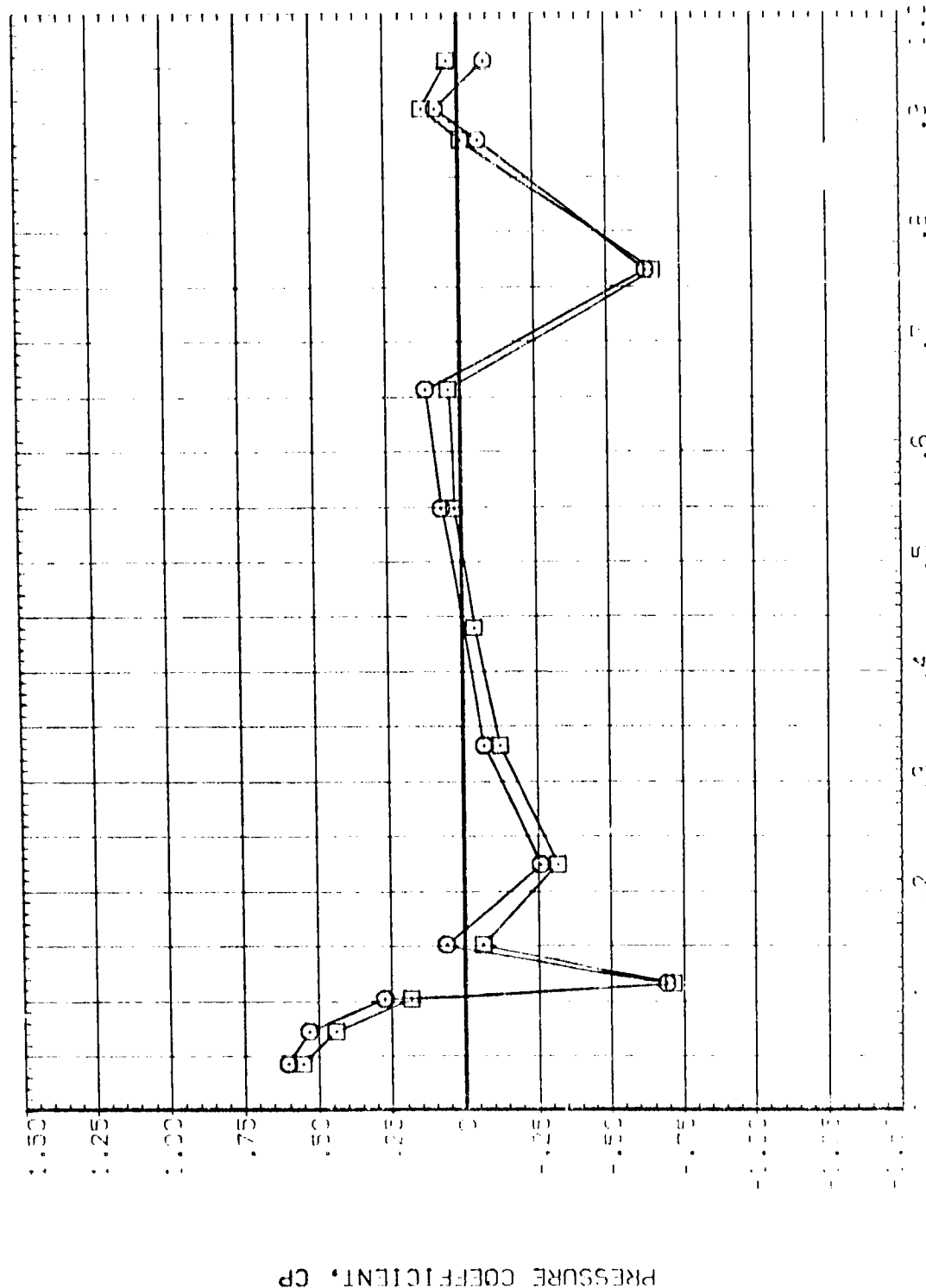
SYMBOL	PWT	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	CONF IG	RODDER	OPBINC
170.000		-8.000	.900	6.198	5.313	N.	N.	.000	.000	.000	.000
292.500				5.313	2.549	N.	N.	.140	.000	.000	.500
315.000				2.549	.972	N.	N.	X-SRB	.000	.000	.000
				ZMRP	ZMRP						



Pressure Distribution on Left SRM Booster T9 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 US SRM BOOSTER (A82505)

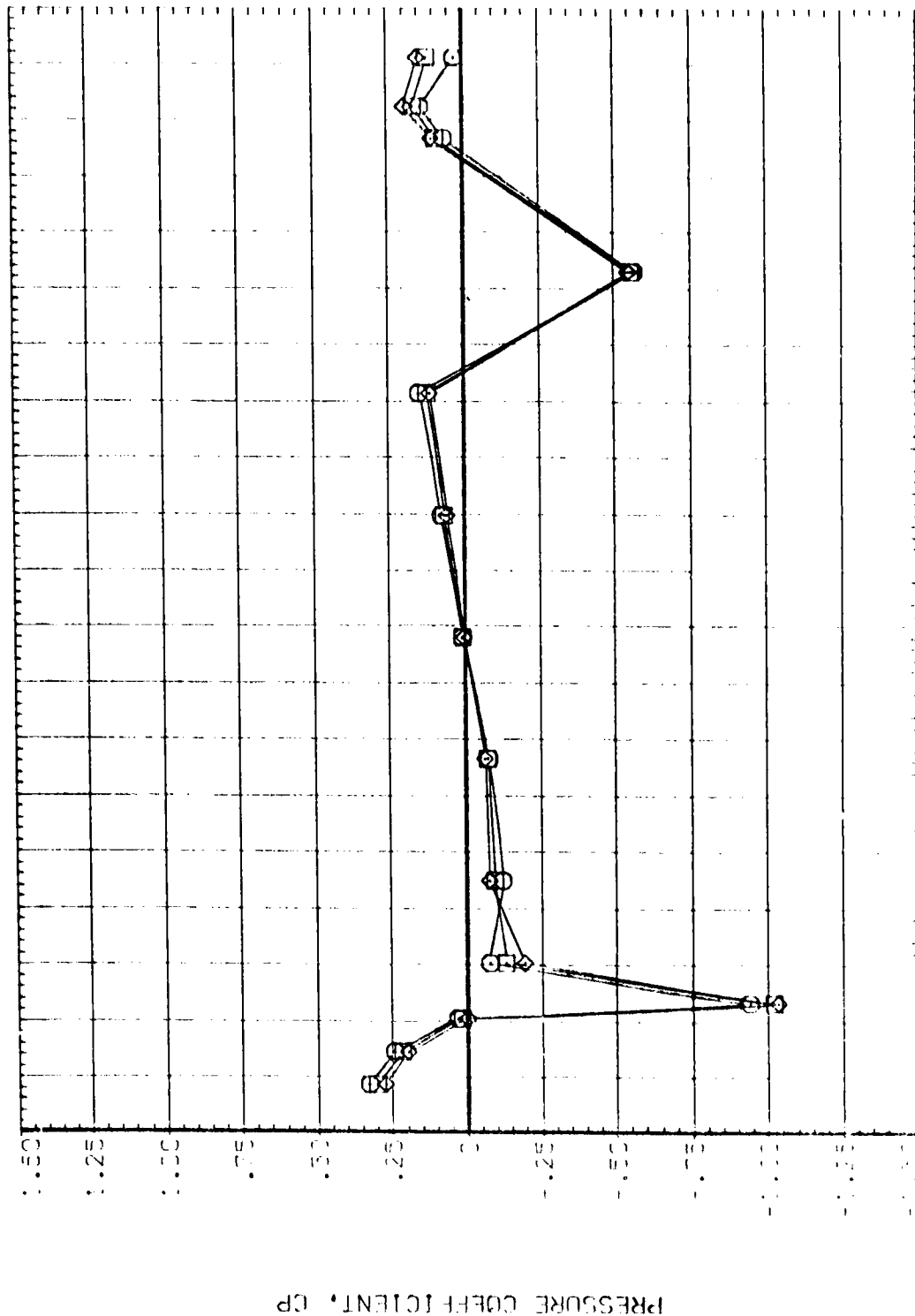
S-400	P41	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SO.IN.	BETA	CONFIS	90.000
	237.500	-8.000	.900	LRP	5.313	IN.	DELTAZ	RLODER	.000
	350.000			BRP	5.313	IN.	X-SRB	CRBINC	.500
				XMRP	2.543	IN.			
				VMRP	.972	IN.			
				ZMRP	.000	IN.			



LONGITUDINAL DISTANCE FROM SRB NOSE, X/LS
 PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 15

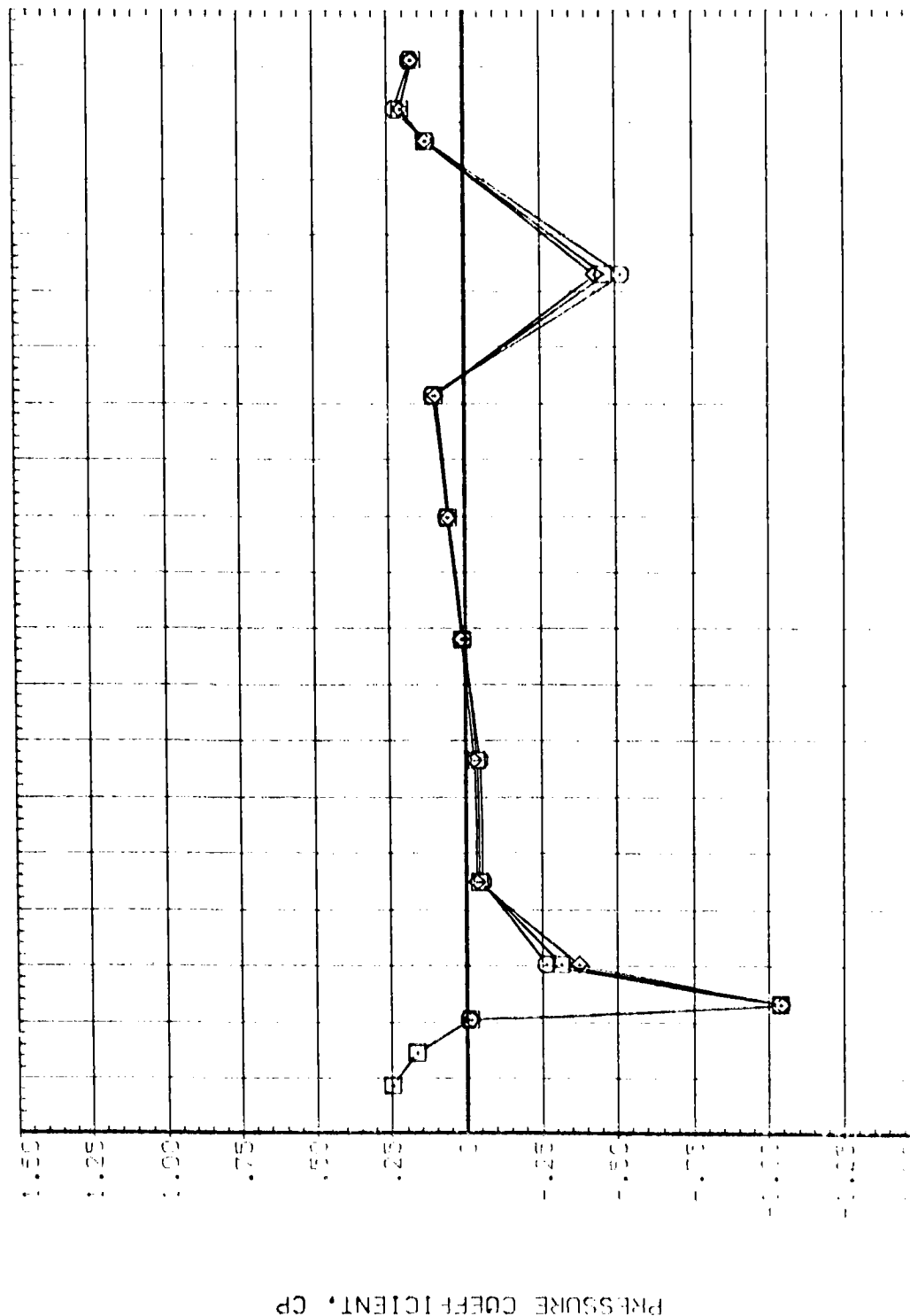
4SEC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

SYNOPSIS	P4	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SG.IN.	BETA	CONFIS
010	000	.000	.900	5.198	IN.	DELTAZ	.000
22.500				5.313	IN.	X-S98	.000
45.000				2.549	IN.		.500
				VMPP	IN.		
				ZMPP	IN.		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

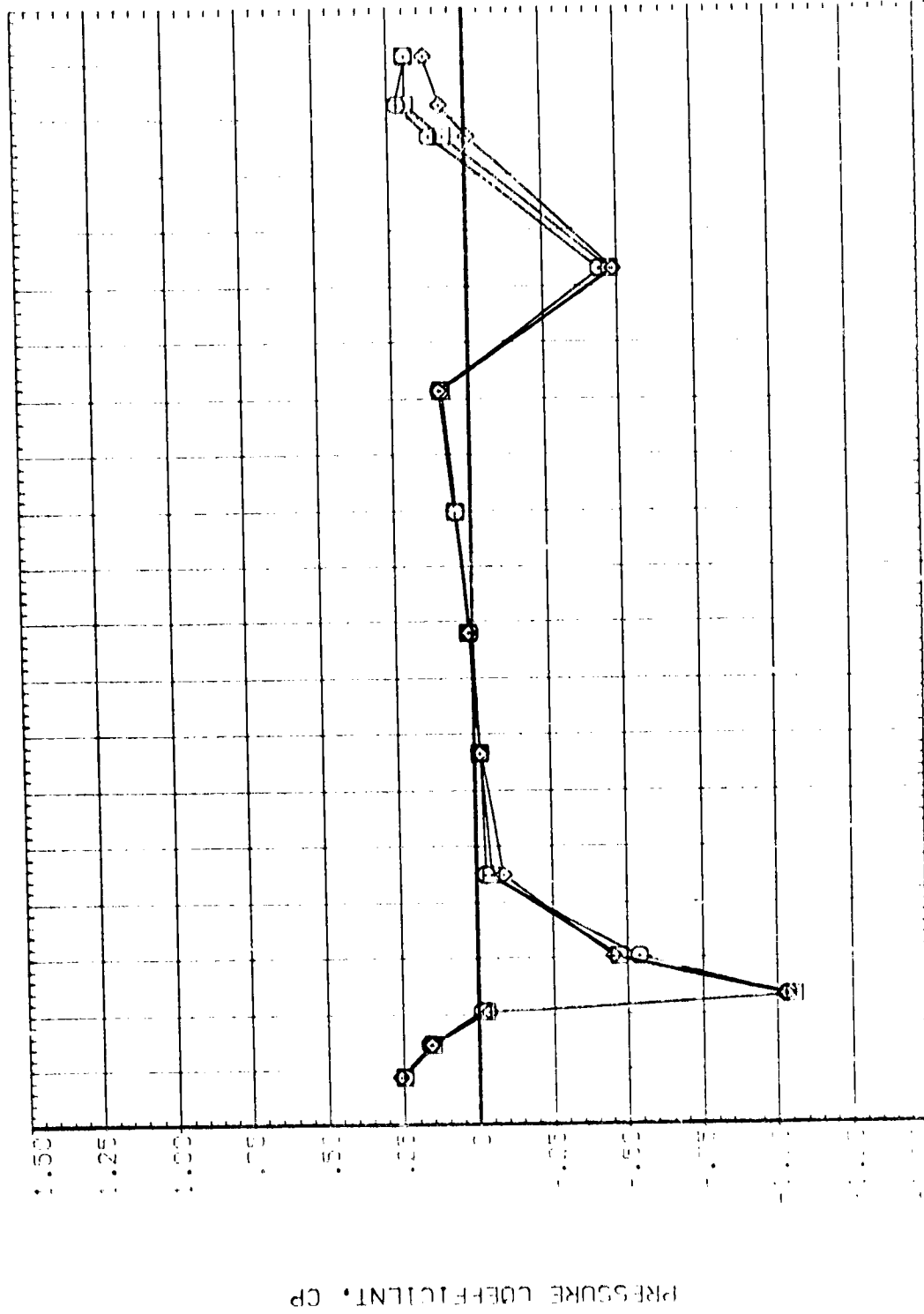
PARAMETER	UNIT	ALPHA	MACH	REFERENCE DATA	SO. IN.	PARAMETER VALUES
SCHEF		.900		6.98	N	BETA
LOREF				5.313	N	DELTA Z
BRREF				5.313	N	CODEP
X-SPB				2.549	N	X-SPB
Y-SPB				.972	N	
Z-SPB				.000	N	



LONGITUDINAL DISTANCE FROM SSB NOSE. X/LS

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

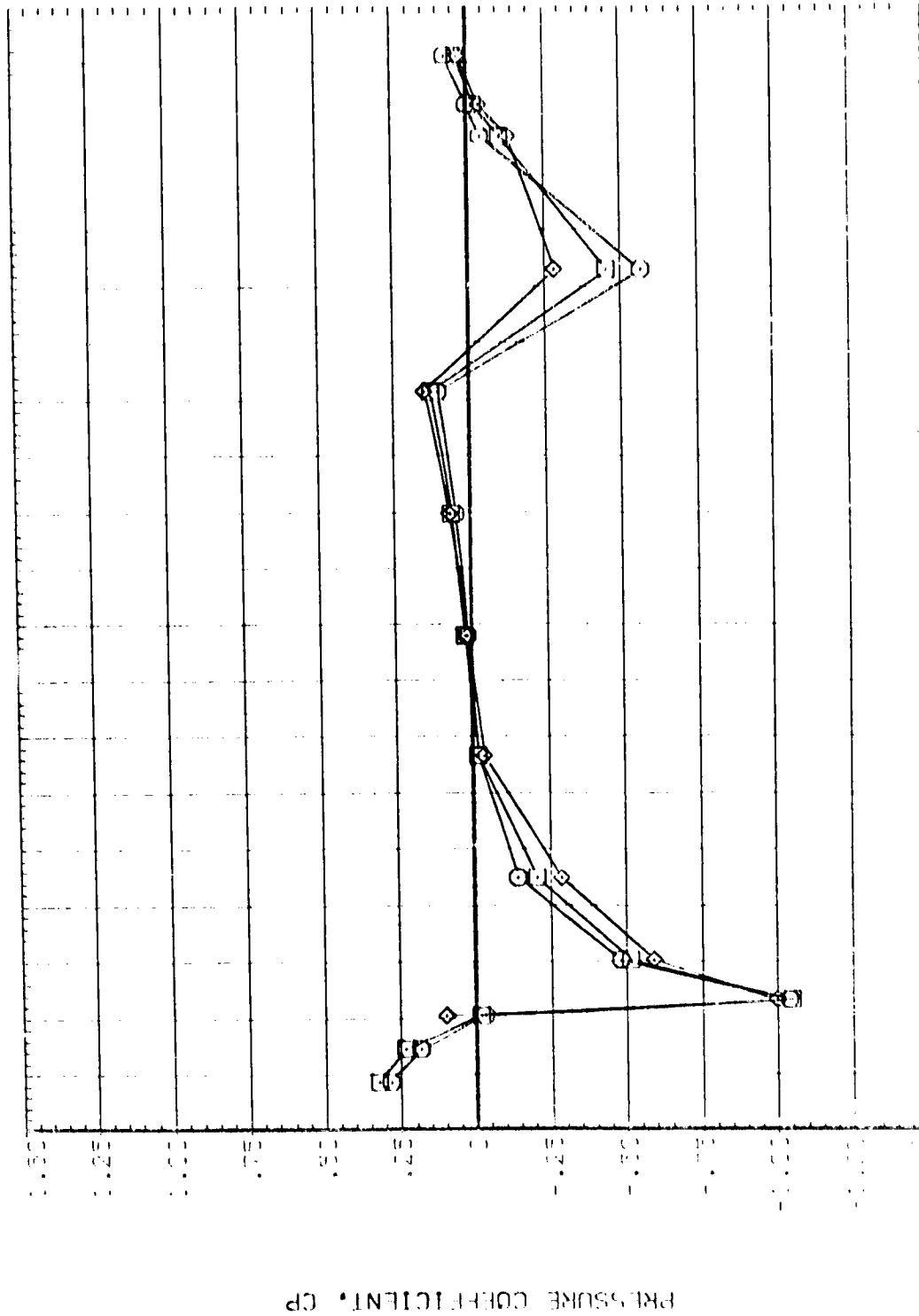
PARAMETRIC VALUES		REFERENCE DATA	
CONFID	.000	SREF	6.198
RUDDER	.000	LREF	5.313
OSB:MC	.500	BREF	5.313
		XMRP	2.549
		YMRP	.972
		ZMRP	.000
BETA		SO:IN.	
DELTAZ		IN.	
X-SRB		IN.	
		IN.	
		IN.	
		IN.	



LONGITUDINAL DISTANCE FROM SRB NOSE, X/L
PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSC 567(1A32F) T9 S3/2 S3/2 03 US SRM BOOSTER (A82905)

PARAMETRIC VALUES		REFERENCE DATA	
SRM	30.000	SRM	5.198
REF	1.000	REF	5.313
DELTA	1.40	DELTA	5.313
DELTA	1.000	DELTA	2.548
DELTA	1.000	DELTA	.972
DELTA	1.000	DELTA	1.000

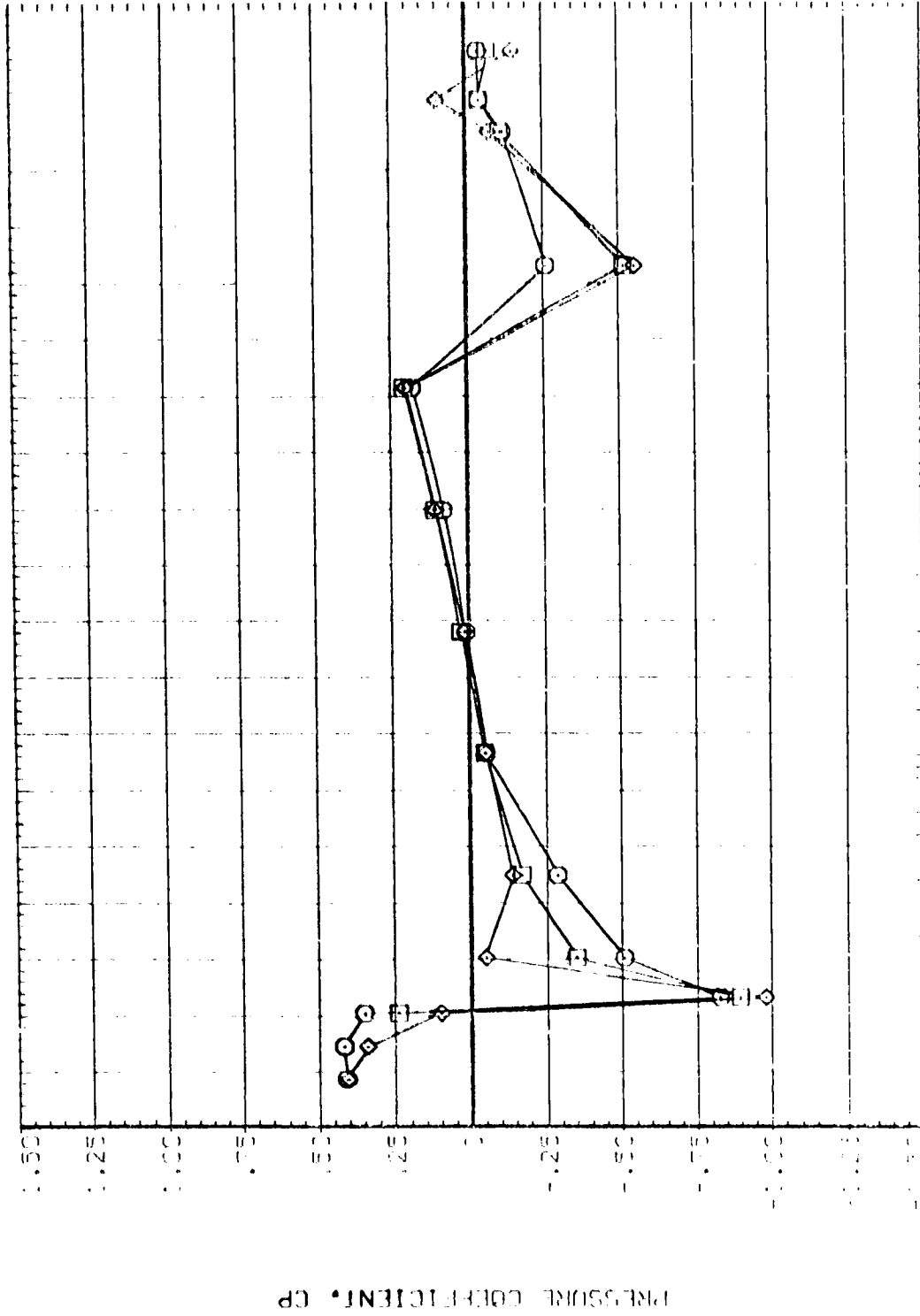


LONGITUDINAL DISTANCE FROM SRM NOSE, FT

PRESSURE COEFFICIENT ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 US

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82505)

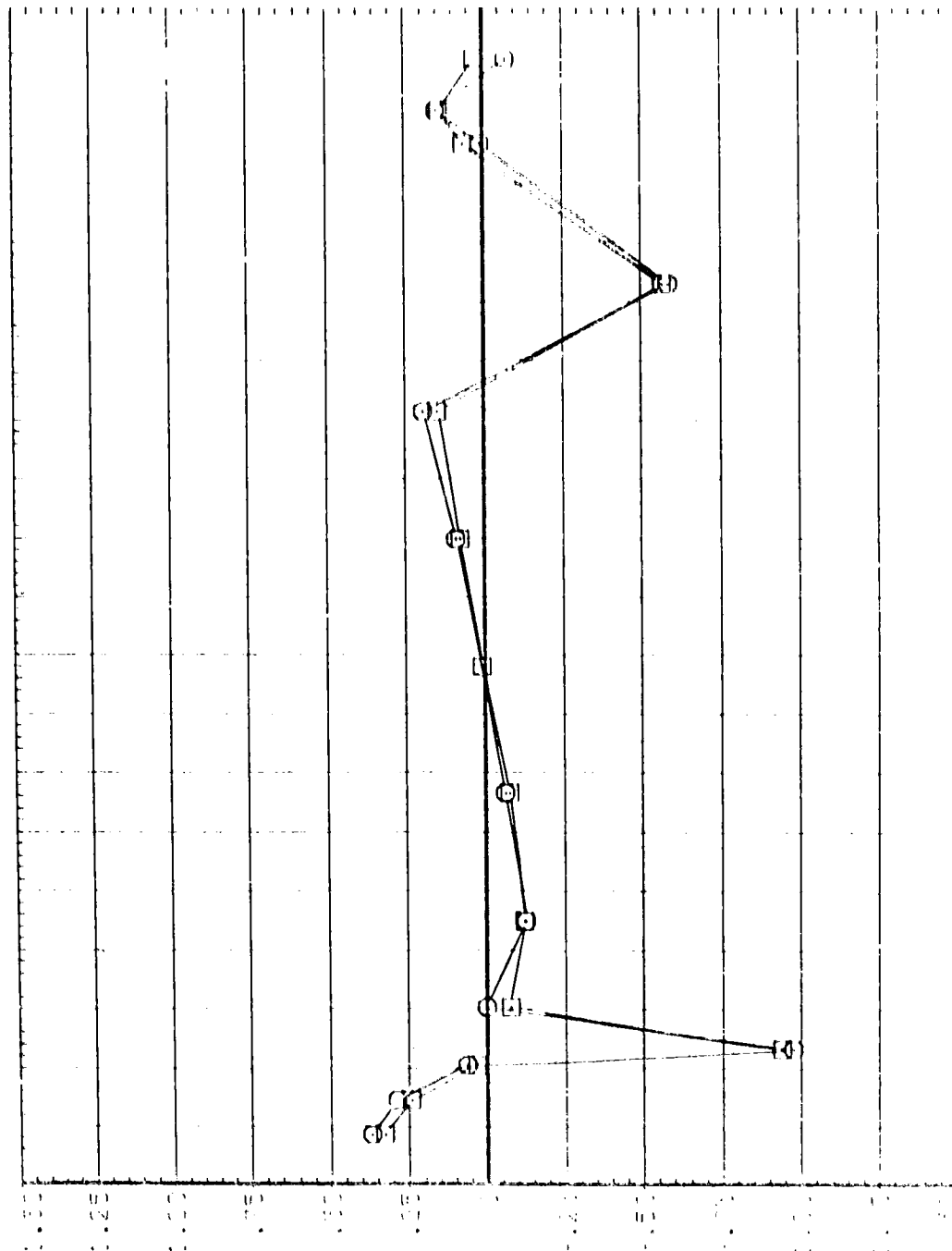
SYMBOL		ALPHA		WACH		REFERENCE DATA		BETA		PARAMETRIC VALUES	
270.000	0.000	0.000	0.000	6.198	59.1N.	SREF	DELTAZ	0.000	0.000	0.000	0.000
292.500	0.000	0.000	0.000	5.313	N.	LREF	X-SRB	0.000	0.000	0.000	0.000
315.000	0.000	0.000	0.000	2.549	N.	BREF		0.000	0.000	0.000	0.000
				2.549	N.	X-WP		0.000	0.000	0.000	0.000
				.972	N.	Z-WP		0.000	0.000	0.000	0.000
				.000	N.			0.000	0.000	0.000	0.000



LONGITUDINAL DISTANCE FROM SRM NOSE, X/LB
 0.00 0.25 0.50 0.75 1.00 1.25 1.50

WSEC 567(1A32F) T9 S3/2 S3/2 03 US SRM BOOSTER (A82905)

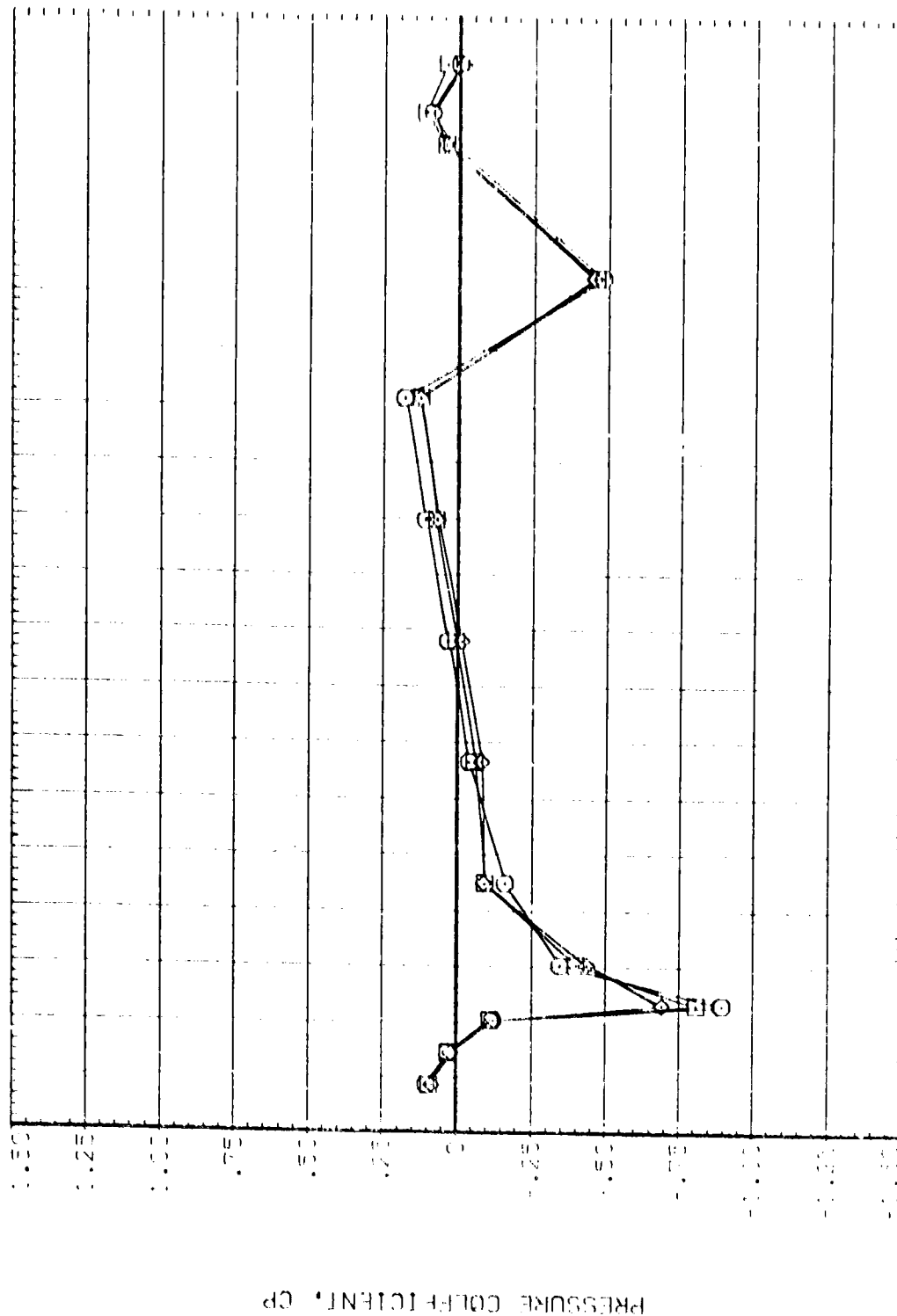
SINGLES		ALPHA		WAVE		REFERENCE DATA		BETA		PARAMETRIC VALUES	
200	100	1000	1000	1000	1000	SREF	6.198	SG	1.00	CP	1.00
200	100	1000	1000	1000	1000	LR	5.313	SG	1.00	CP	1.00
200	100	1000	1000	1000	1000	BR	5.313	SG	1.00	CP	1.00
200	100	1000	1000	1000	1000	VR	2.548	SG	1.00	CP	1.00
200	100	1000	1000	1000	1000	VR	1.972	SG	1.00	CP	1.00
200	100	1000	1000	1000	1000	VR	1.00	SG	1.00	CP	1.00



LONGITUDINAL DISTANCE FROM SRM NOSE, IN
PRESSURE COEFFICIENT ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

SYMBOL	P-VAL	A-PVAL	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	SC-IN.	BETA	CONFID	30.000
24.500	1.000	9.000	.900	5.313	1.000	DELTA Z	1.000	1.000
45.000	1.000	9.000	.900	5.313	1.000	DELTA Z	1.000	1.000
				2.548	1.000	DELTA Z	1.000	1.000
				.872	1.000	DELTA Z	1.000	1.000
				.000	1.000	DELTA Z	1.000	1.000

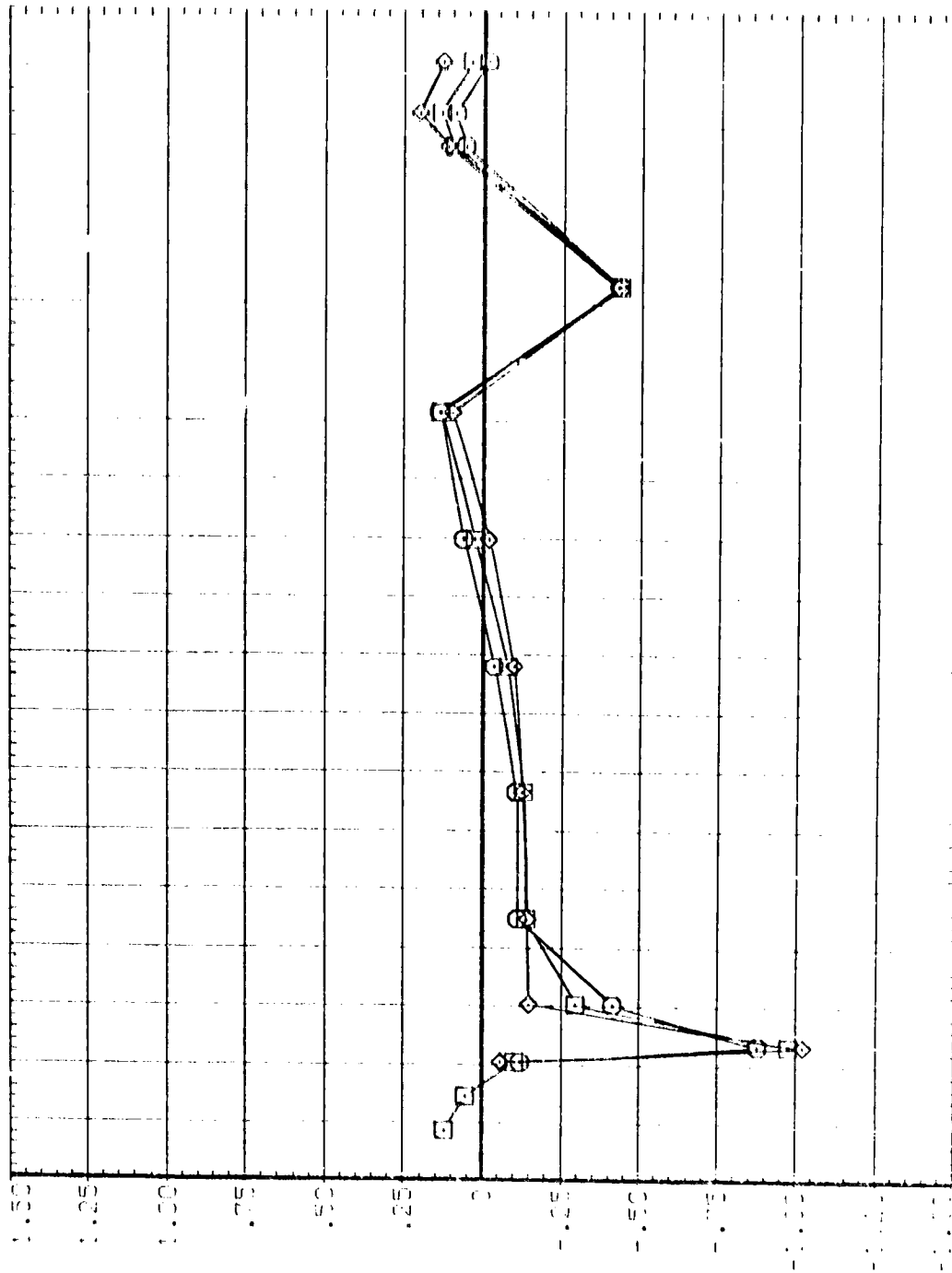


LONGITUDINAL DISTANCE FROM SRB NOSE, X/LB

PRESSURE DISTRIBUTION ON TEST SRM BOOSTER T9 S3/2 S3/2 03 U5

W5FC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82SC5)

SYSC	REF	ALPHA	MACH	REFERENCE DATA	PARAMETRIC VALUES
67.100	SREF	8.000	.900	6.198	SC IN
90.100	LREF			5.313	IN
112.100	BREF			5.313	IN
	XREF			2.648	IN
	YREF			1.812	IN
	ZREF			1.000	IN
					BETA
					DELTA Z
					Y-SPE
					BC DCS
					PODEF
					PODEF
					PODEF



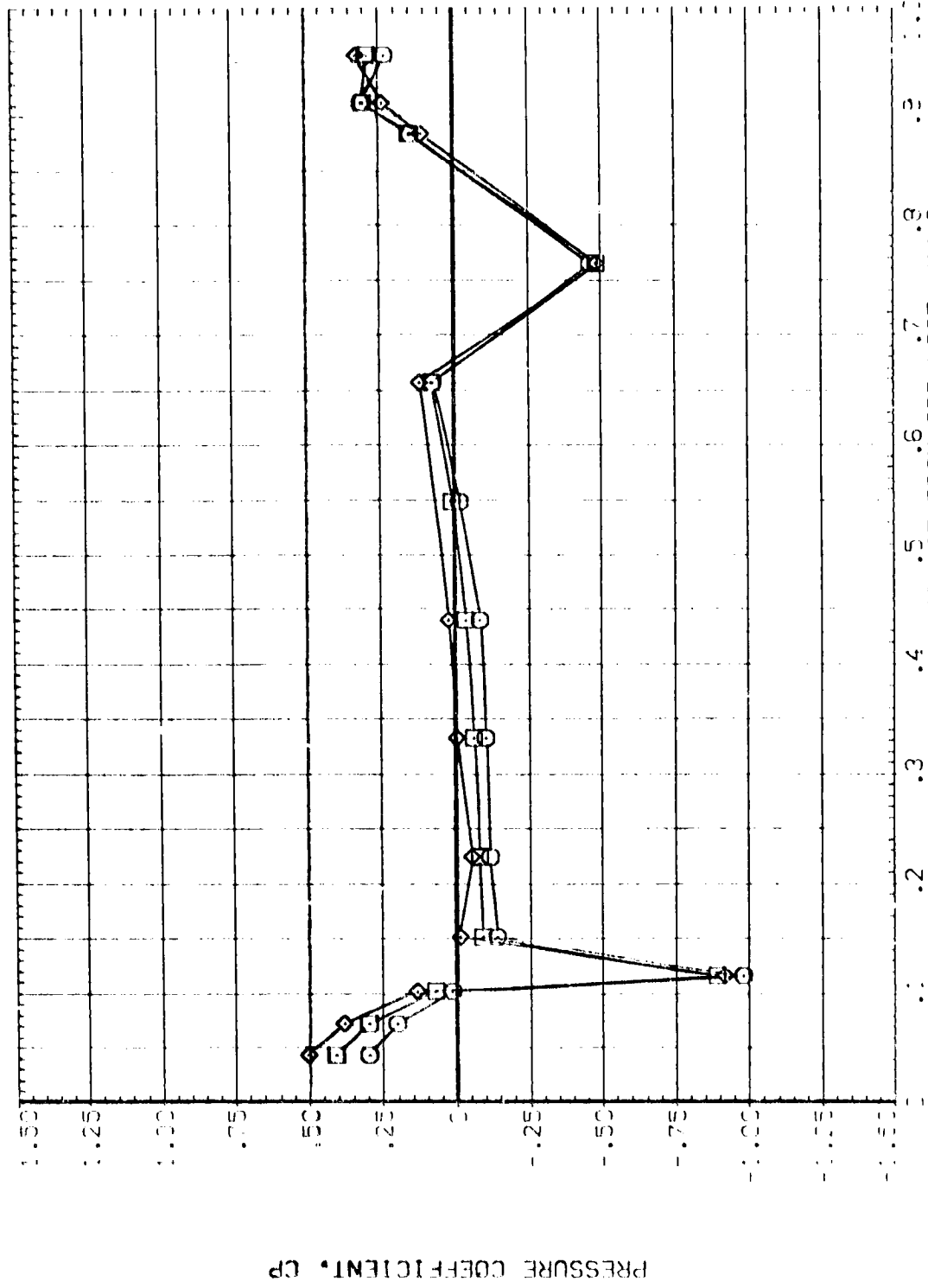
PRESSURE COEFFICIENT, CP

LONGITUDINAL DISTANCE FROM SRM NOSE, X/LS

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

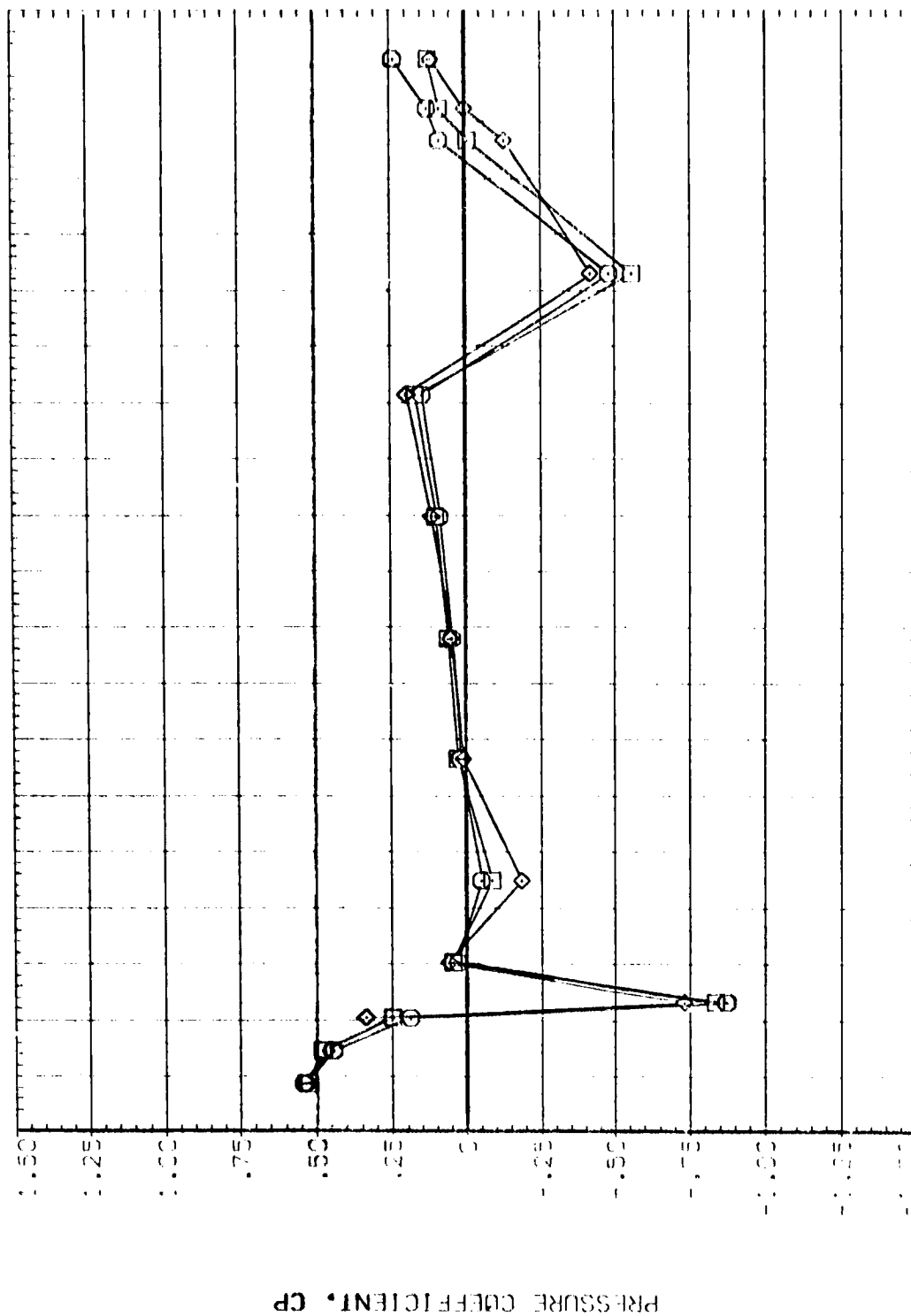
SYMBOL	P-I	ALPHA	MACH	REFERENCE DATA		BETA		PARAMETRIC VALUES	
				SREF	6.198	DELTAZ	CONFIS	CONFIS	90.000
	135.000	8.000	.900	LREF	5.313	X-SRB	.000	RLODER	.000
	157.500			BREF	5.313		.140		.500
	180.000			XMSR	2.548		.000		
				YMSR	.972				
				ZMSR	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

SINGLES		REFERENCE DATA		PARAMETRIC VALUES	
Q1	ALPHA	SREF	SG IN.	BETA	SC
202.500	8.000	5.198	IN.	.000	.000
225.000	.900	5.313	IN.	.140	.000
241.500		5.313	IN.	.000	.000
		2.549	IN.	.000	.000
		.972	IN.	.000	.000
		.000	IN.	.000	.000



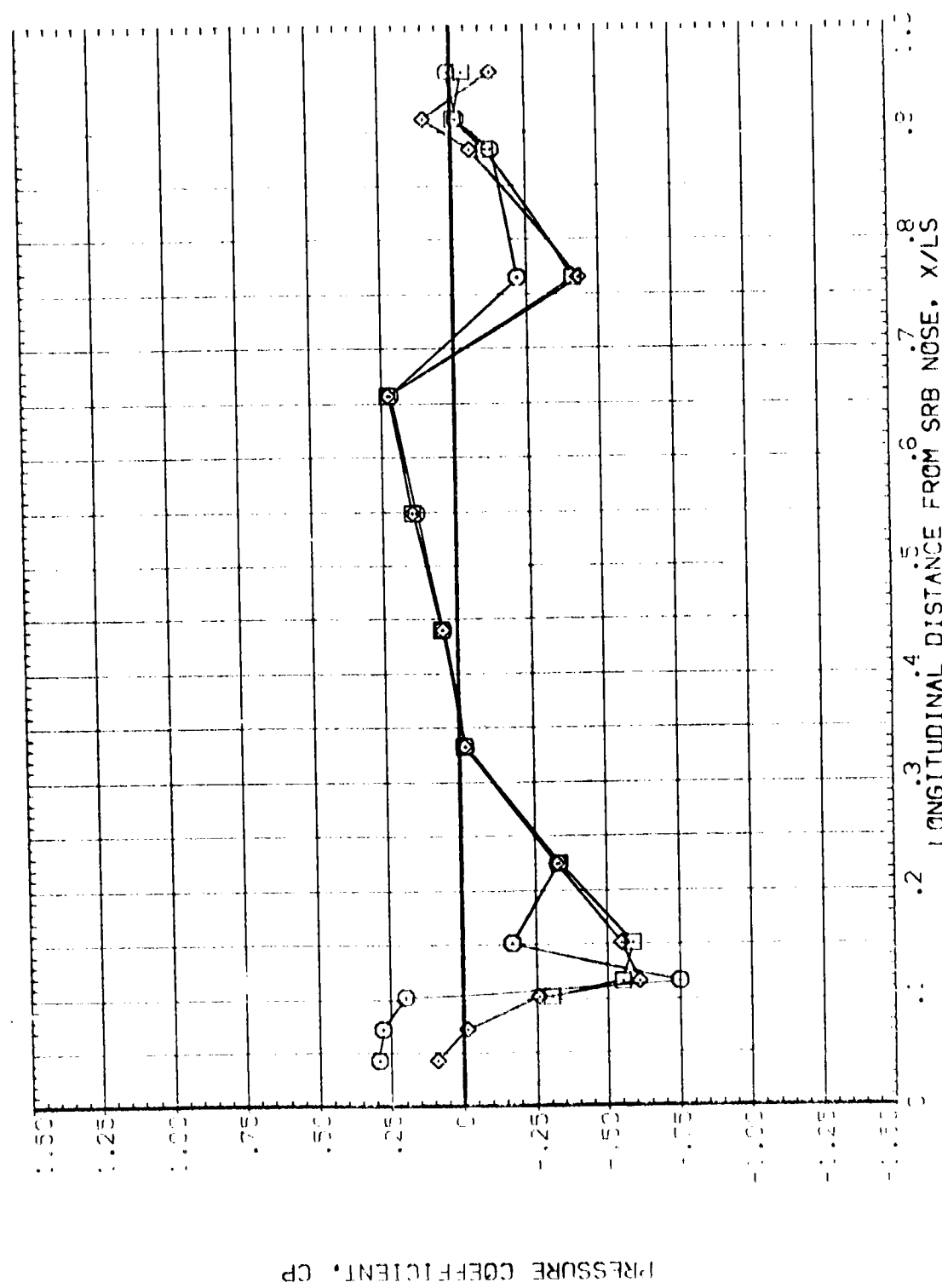
LONGITUDINAL DISTANCE FROM SPB NOSE, X/L

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER TO S3/2 S3/2 03 U5

PAGE 1008

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S05)

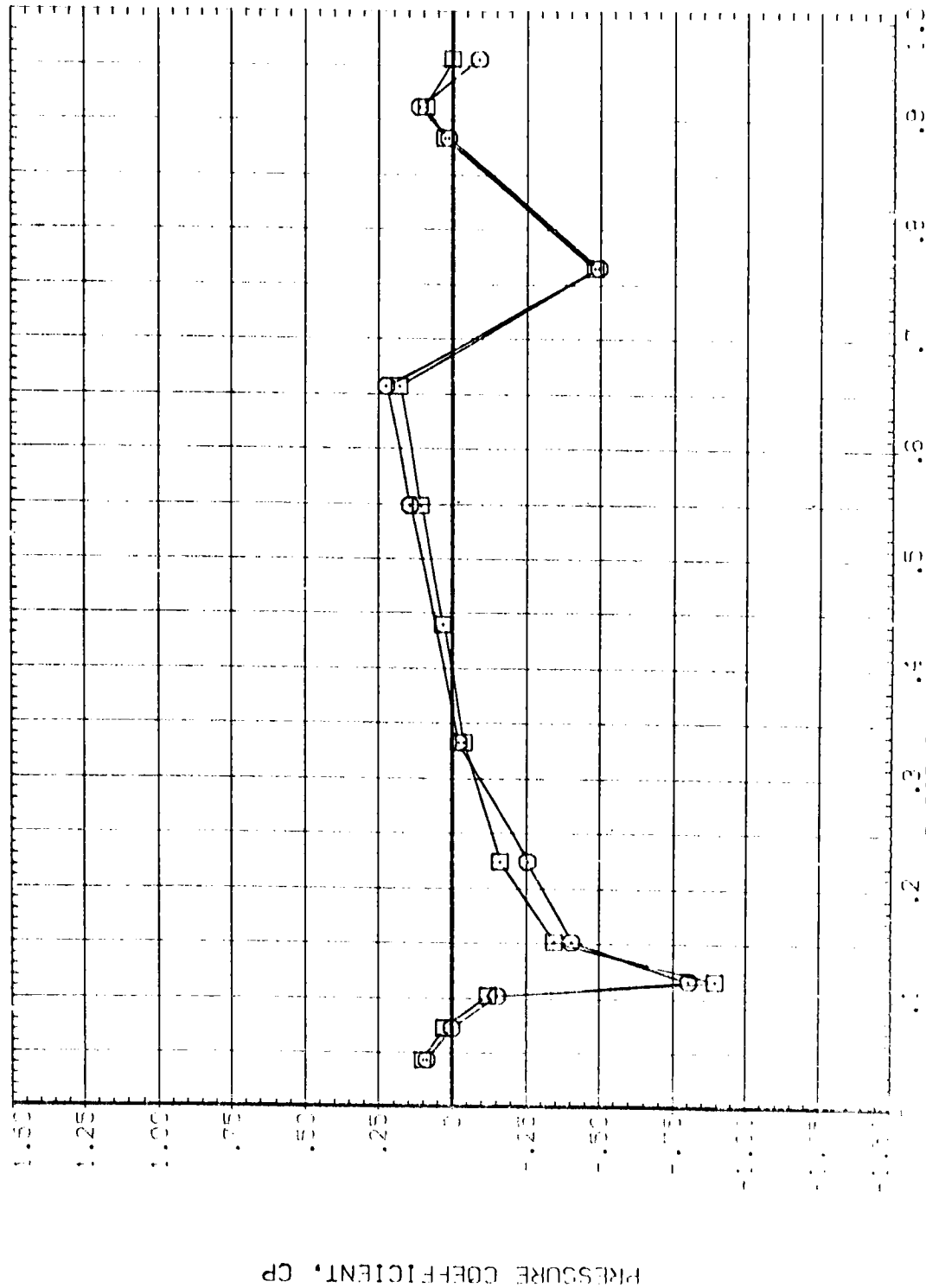
SYMBOL		REFERENCE DATA		PARAMETRIC VALUES	
270.000	ALPHA	SREF	6.138	BETA	.000
292.500	MACH	LREF	5.313	DELTA Z	.140
315.000		BREF	5.313	RUDDER	.000
		XMRP	2.545	X-SRB	.000
		YMRP	.972		.000
		ZMRP	.000		.000



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S05)

SYMBOL		ALPHA	MACH	REFERENCE DATA		SQ. IN.		PARAMETRIC VALUES	
□	337.500	8.000	.900	SREF	6.198	IN.	BETA	.000	CONFUG
	350.000			LREF	5.313	N.	DELTA Z	.140	RCDER
				BREF	5.313	N.	X-SRB	.000	CPB14C
				XREF	2.549	N.			
				YREF	.912	N.			
			ZREF	.500	N.				

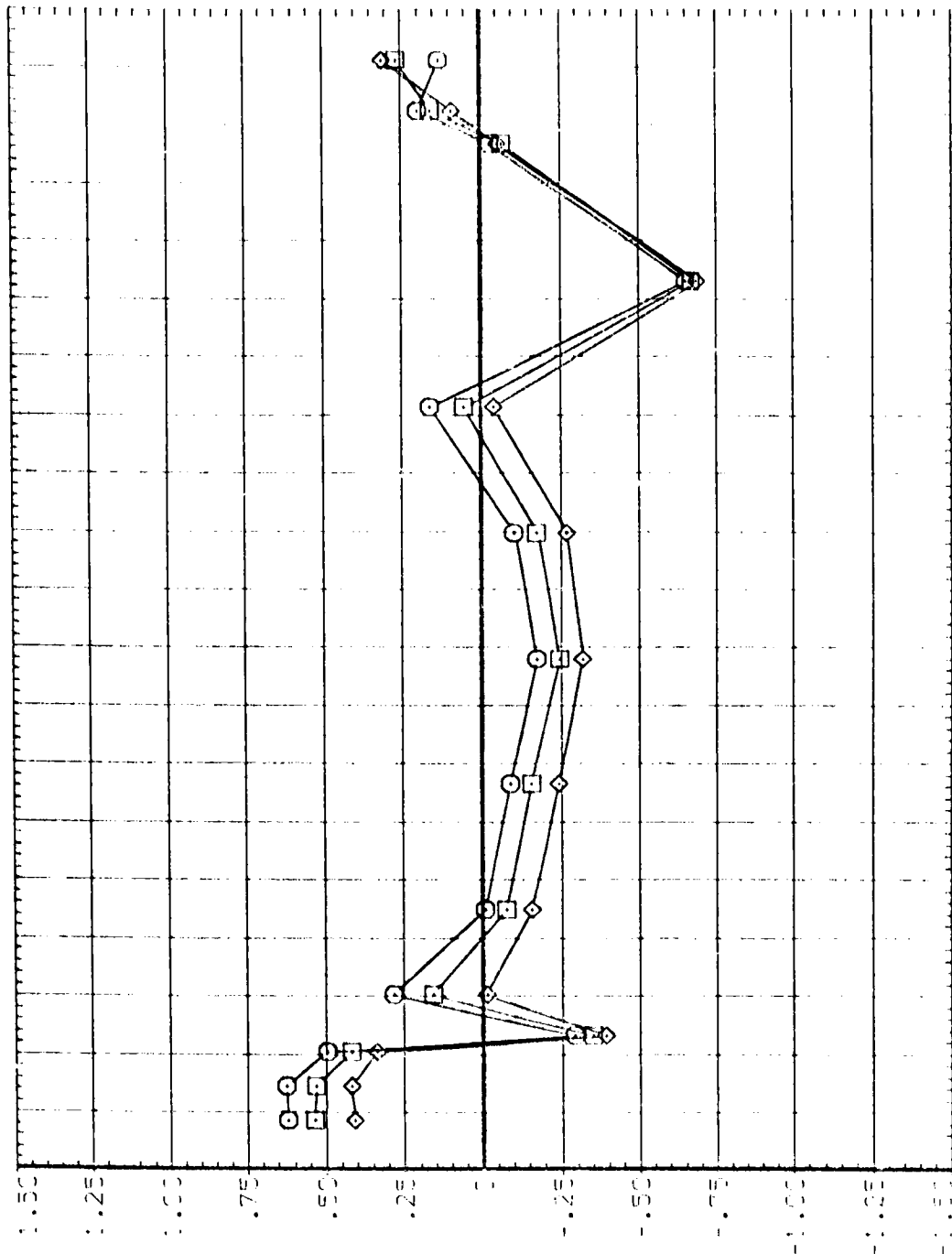


LONGITUDINAL DISTANCE FROM SRB NOSE, X/1S

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82505)

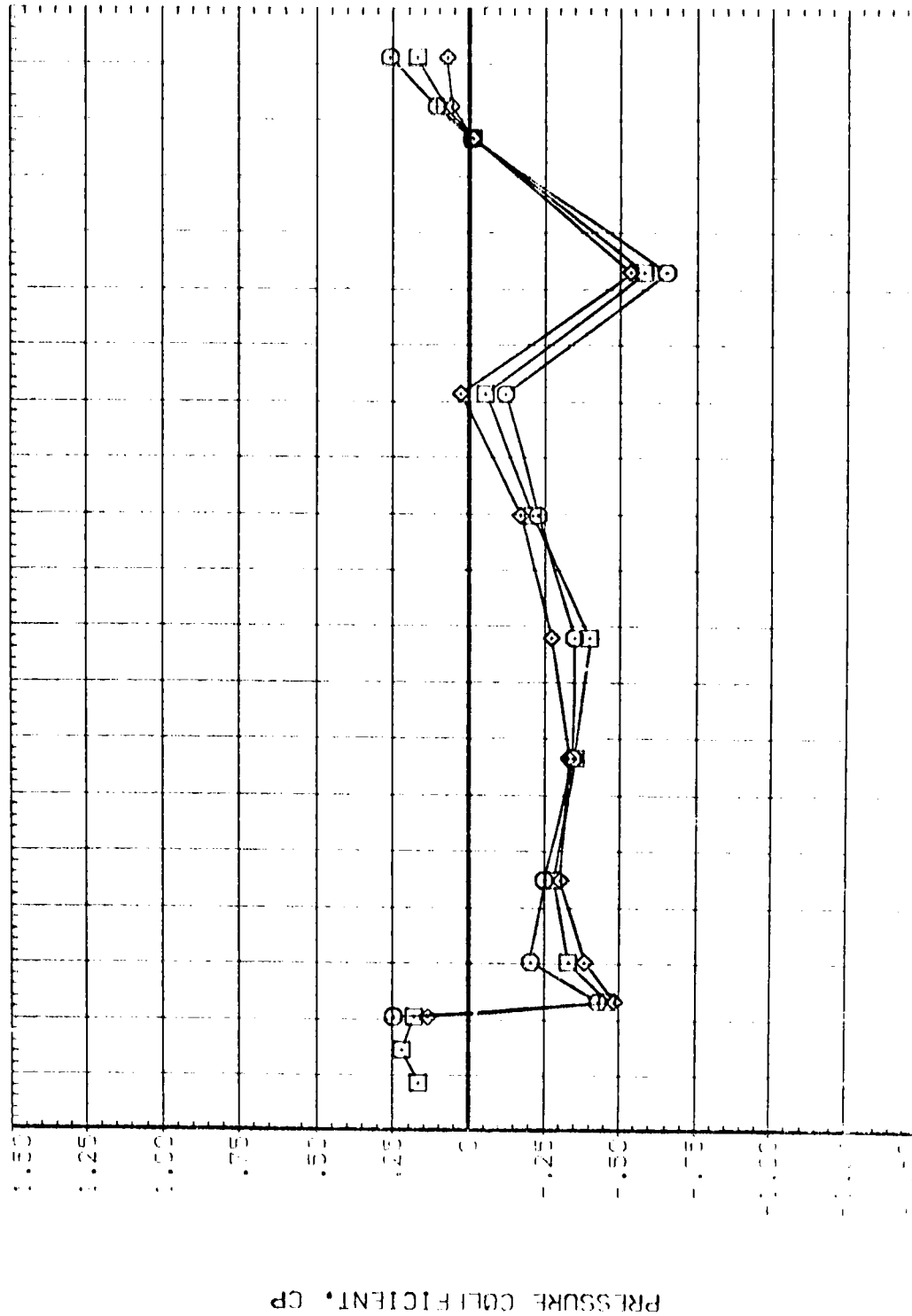
SYMBOL	VAL	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SG.IN.	BETA	COEFFIG	90.000
	.000	-8.000	1.250	LREF	5.313	N.	DELTAZ	.140	.000
22.500				BREF	5.313	N.	X-SRB	.000	.500
45.000				XMRP	2.548	N.			
				YMRP	.972	N.			
				ZMRP	.000	N.			



LONGITUDINAL DISTANCE FROM SRB NOSE, X/LS
PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

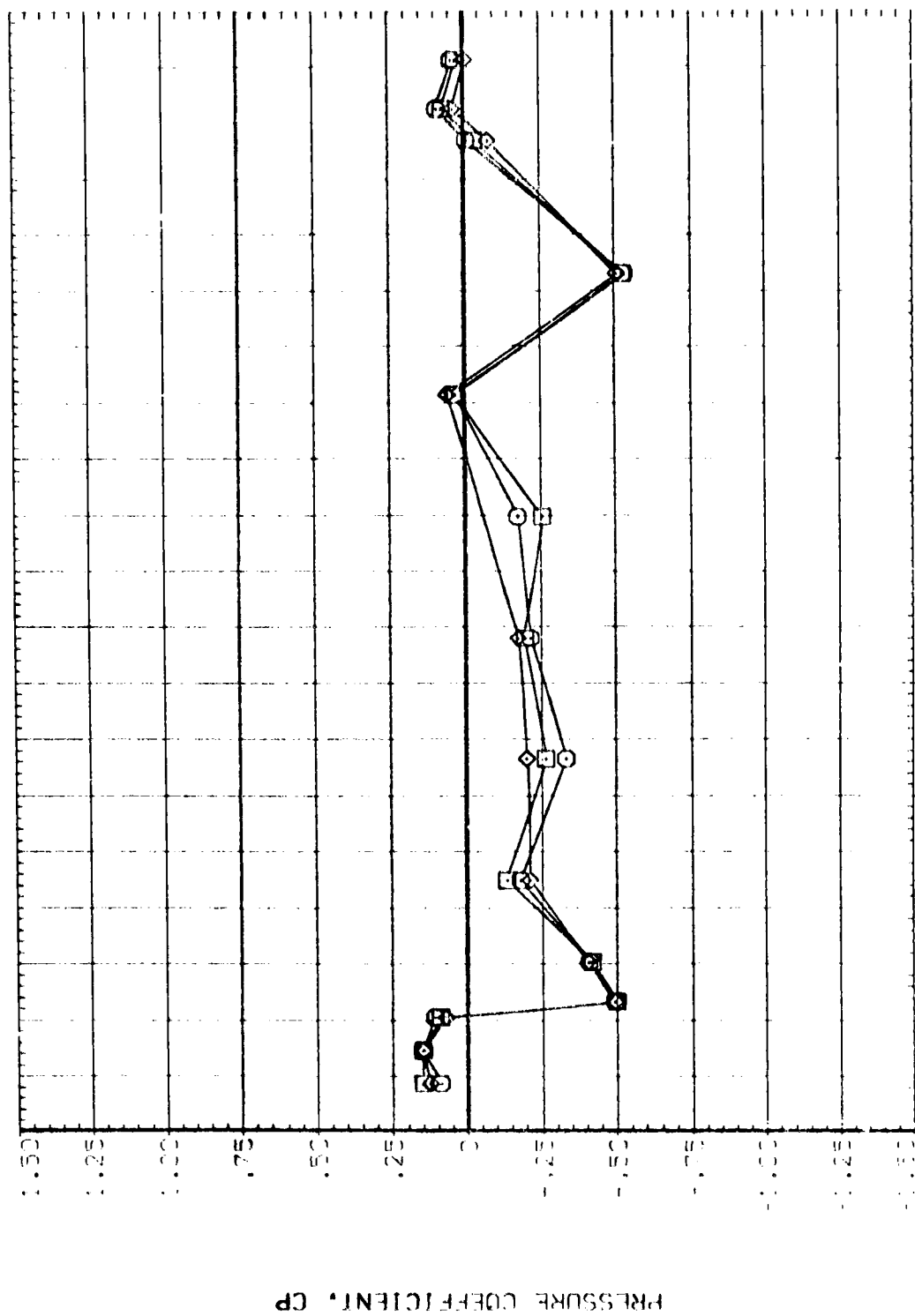
S-MSG	PLOT	REFERENCE DATA		PARAMETRIC VALUES	
		SRF	SC IN.	BETA	COMPIS
010	87.500	5.313	IN.	DELTA Z	90.000
010	90.000	5.313	IN.	X-SRB	0.000
010	112.500	2.548	IN.		0.500
		0.872	IN.		
		0.000	IN.		



LONGITUDINAL DISTANCE FROM SRB NOSE, X/LS
PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

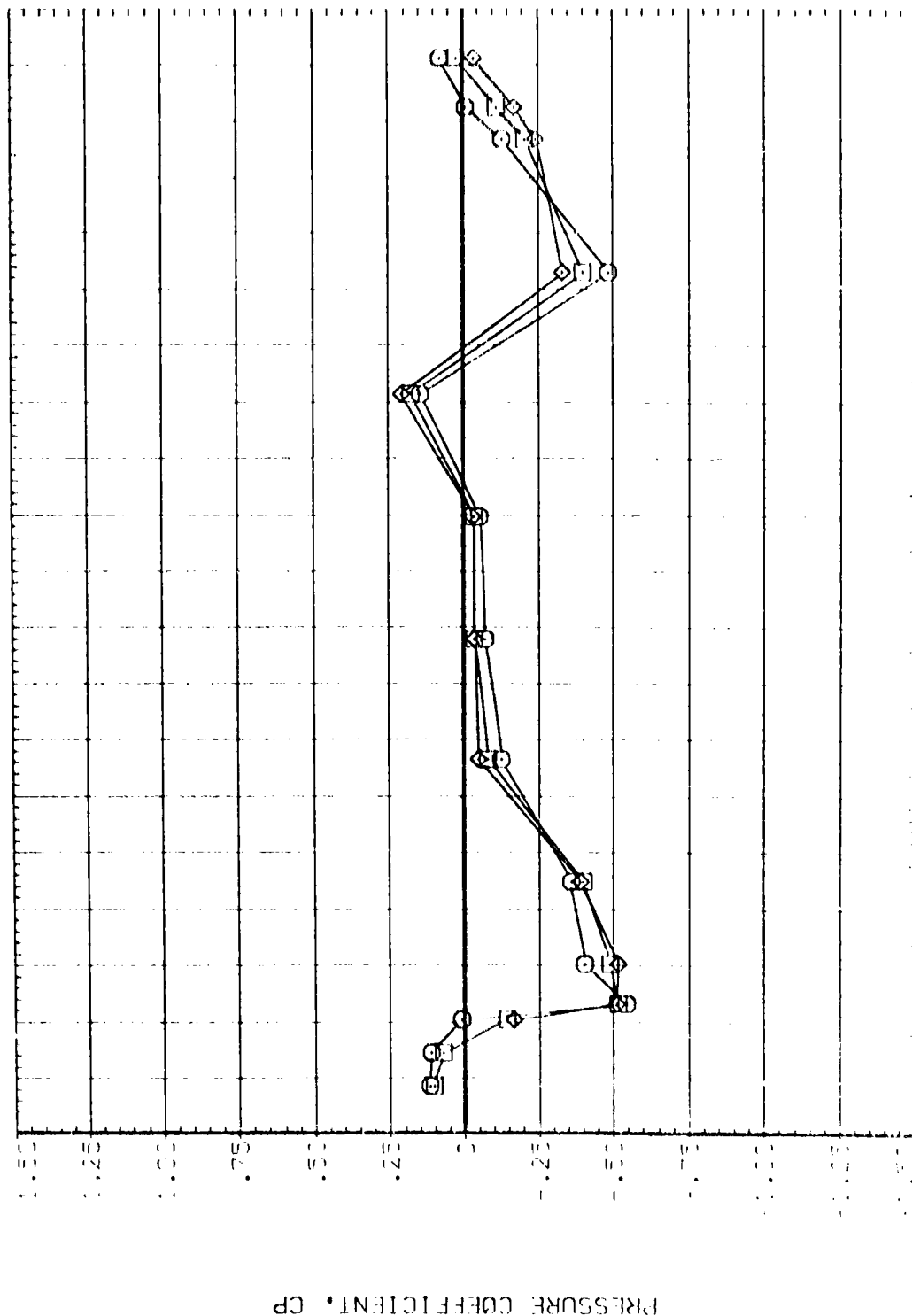
S-REF	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
			SREF	6.198	SO.IN.	BETA	CONFIG	90.000
135.000	-8.000	1.250	LREF	5.313	IN.	DELTAZ	.000	9.000
157.500			BREF	5.313	IN.	X-SRB	.000	.000
180.000			YMRP	2.549	IN.		.000	.500
			ZMRP	.972	IN.			
				.000	IN.			



REFERENCE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

WSEC 567(1A22F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

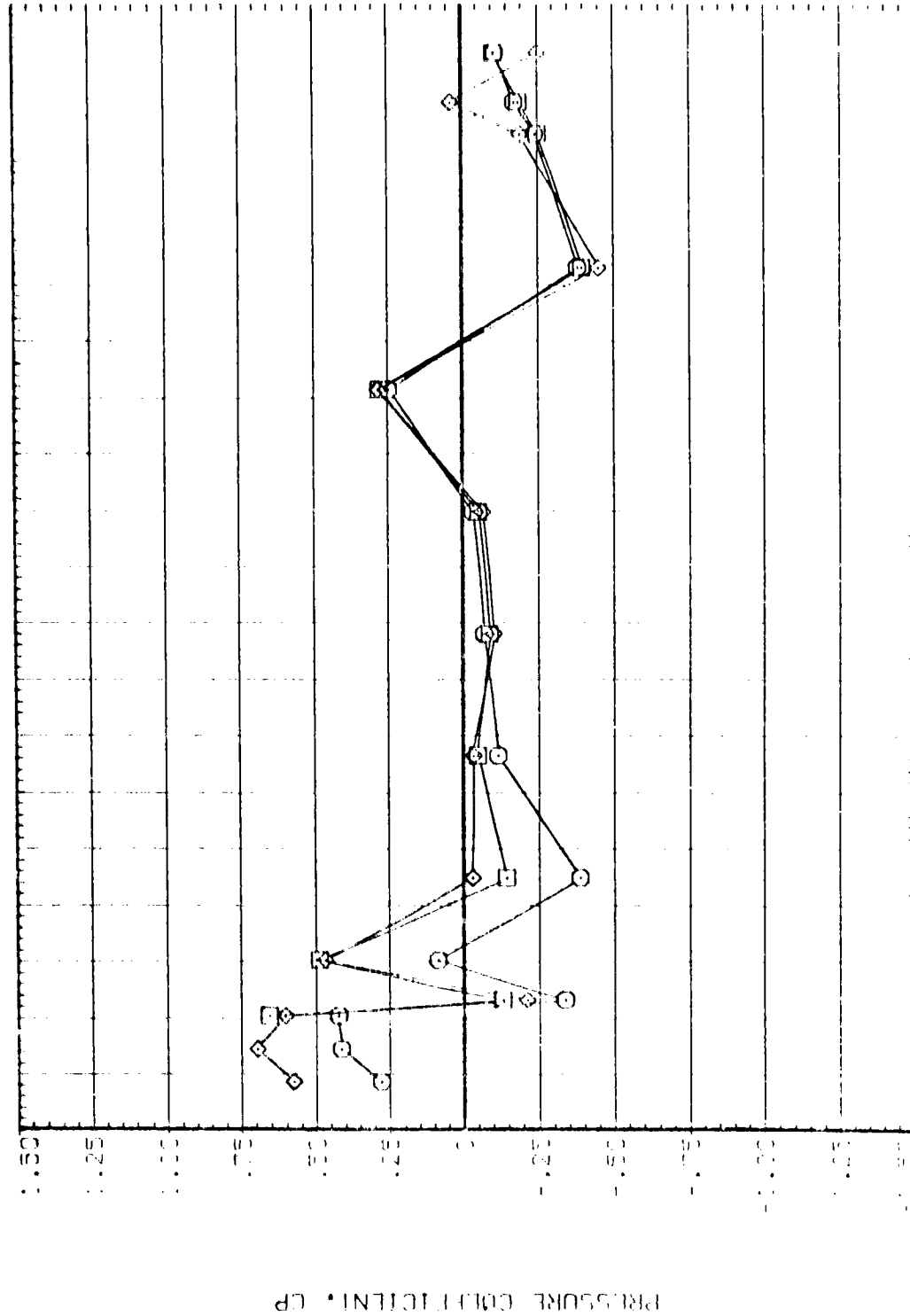
SI-MOD	202.500	ALPHA	-8.000	MACH	1.250	REFERENCE DATA	SC.IN.	BETA	CONFIS	PARAMETRIC VALUES
225.000						SREF	6.198	DELTAZ	.000	80.000
240.500						LPREF	5.313	X-SRB	.140	.000
						BRPF	5.313		.000	.500
						XMBP	2.549			
						VMGP	.972			
						ZMGP	.000			



LONGITUDINAL DISTANCE FROM SRB NOSE, X/LB
 PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

ISFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

REFERENCE DATA		PARAMETRIC VALUES	
SREF	6.199	BETA	1.000
LREF	5.313	DELTA Z	1.000
BREF	5.313	X-SRB	1.000
WBP	2.548		
XBP	1.872		
ZBP	1.000		
ALPHA	-8.000		
MACH	1.250		
SRM	1.000		
SRM	1.000		
SRM	1.000		
SRM	1.000		

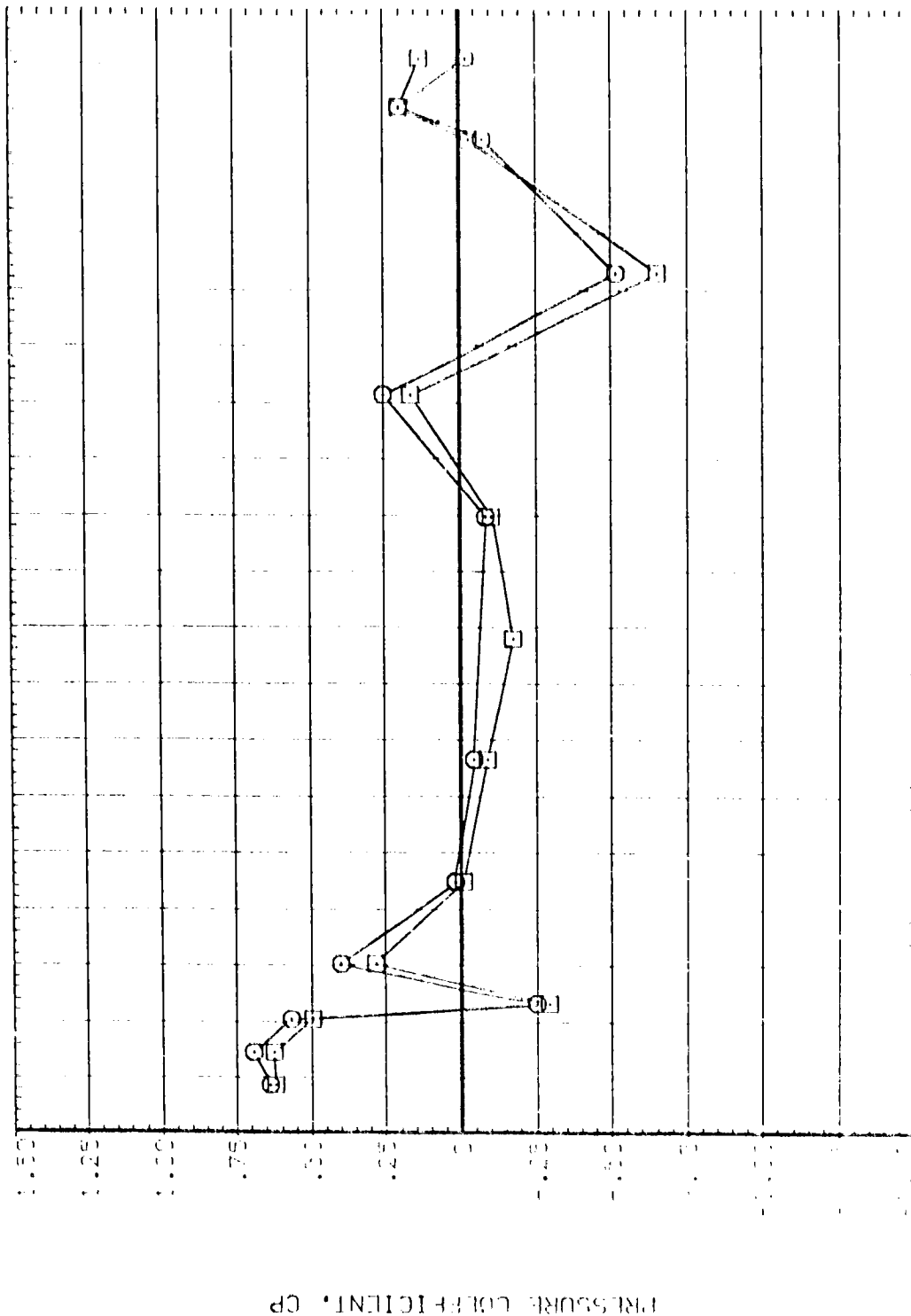


LONGITUDINAL DISTANCE FROM SRB NOSE, X/LS

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

VSEC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

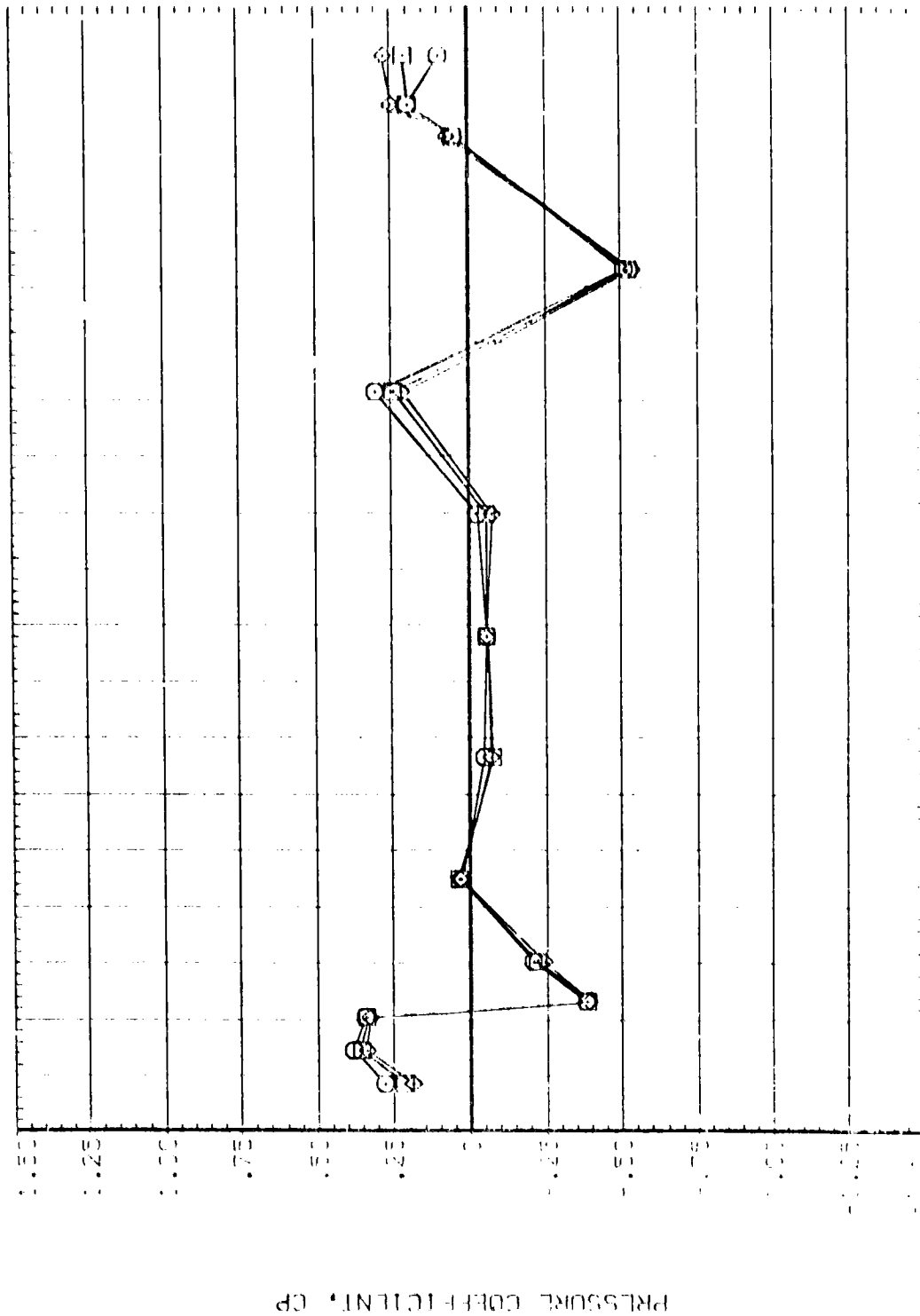
SINUSC	ALPHA	MACH	REFERENCE DATA	PARAMETRIC VALUES
337.500	-9.000	1.250	SREF 6.199	BETA .000
300.000			LREF 5.313	DELTAZ .40
			BREF 5.313	P-POSSER .000
			AMOP 2.549	DELTAZ .500
			VMOP .872	
			ZMOP .000	



LONGITUDINAL DISTANCE FROM SRM NOSE, X/LS
 PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER TO 90/2 03 U5

MSFC 56701A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82505)

REFERENCE DATA		PARAMETRIC VALUES	
SREF	5.198	BETA	.000
LREF	5.313	DELTA Z	.000
BREF	5.313	Y-SRB	.000
AVBP	2.548		
AVBP	.972		
ZREF	.000		

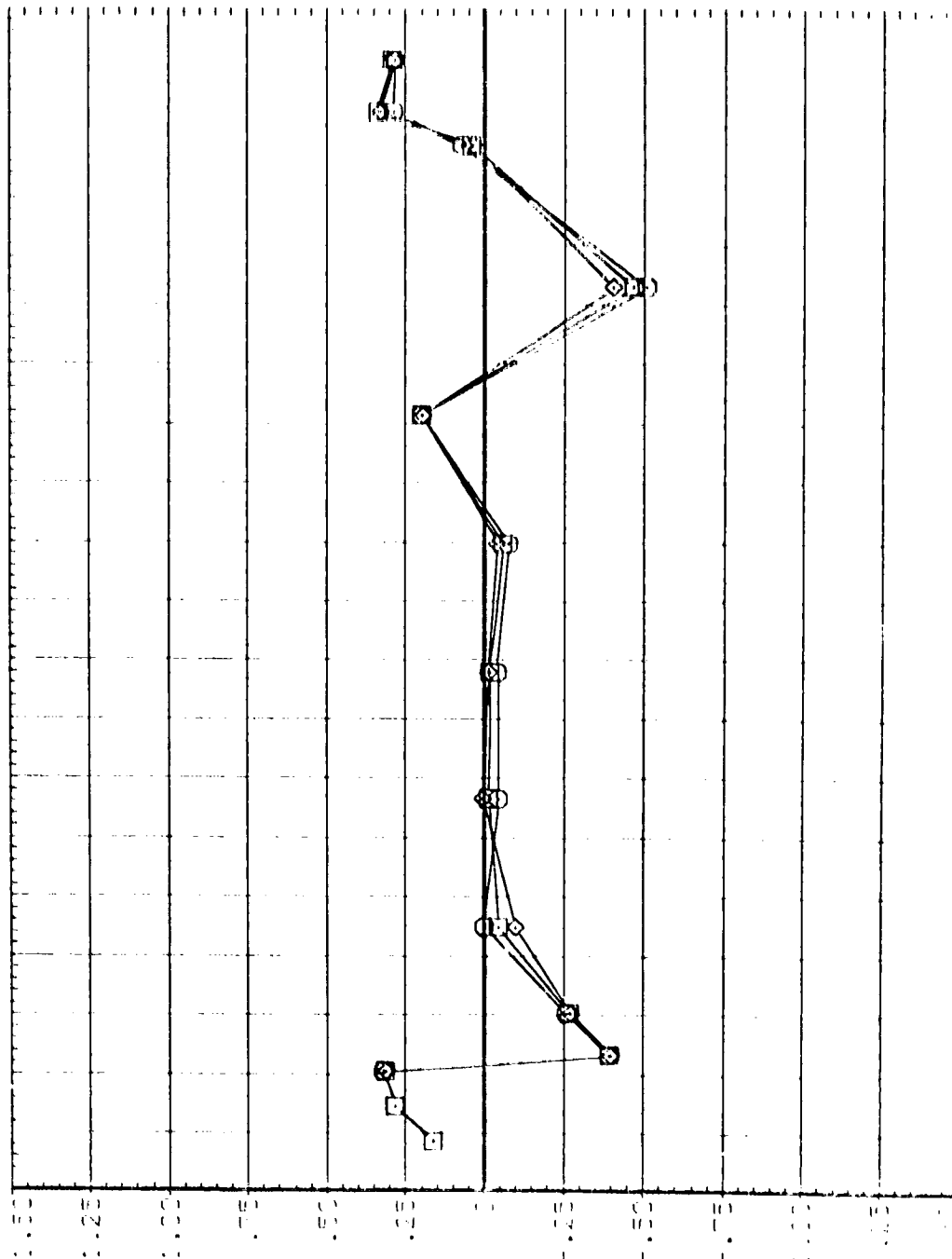


LONGITUDINAL DISTANCE FROM SRB NOSE, X/LB

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

USFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S05)

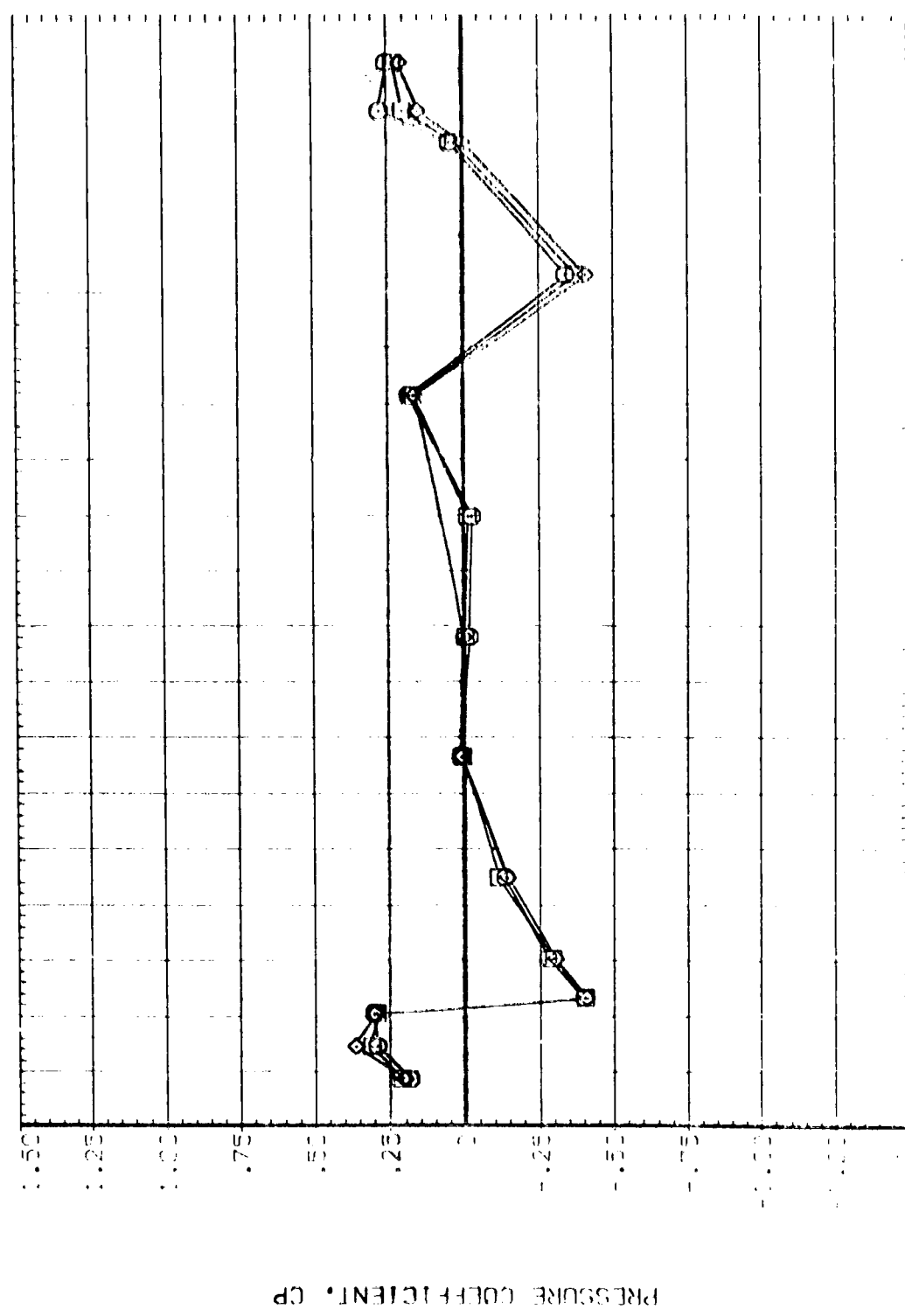
PARAMETER		REFERENCE DATA		PARAMETER VALUES	
SPREF	6.198	SG.IN.	BETA	.000	30.000
LRREF	5.313	IN.	DELTA Z	.140	.000
BRREF	5.313	IN.	X-SRB	.000	.500
YMRP	2.543	IN.			
ZMRP	.972	IN.			
	.000	IN.			



LONGITUDINAL DISTANCE FROM SRM NOSE, IN.

WSEC 567(1A32F) T9 S3/2 S3/2 03 US SRM BOOSTER (A92905)

S-MSEC	T-M	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SRGE	SG.IN.	BETA	30.000
10	105.000	.000	1.250	LRFC	5.313	DELTAZ	1.000
10	157.500			BRFC	5.313	K-SRB	1.000
10	90.000			VRFC	2.545		1.500
				VRGP	.972		
				ZVRGP	.000		

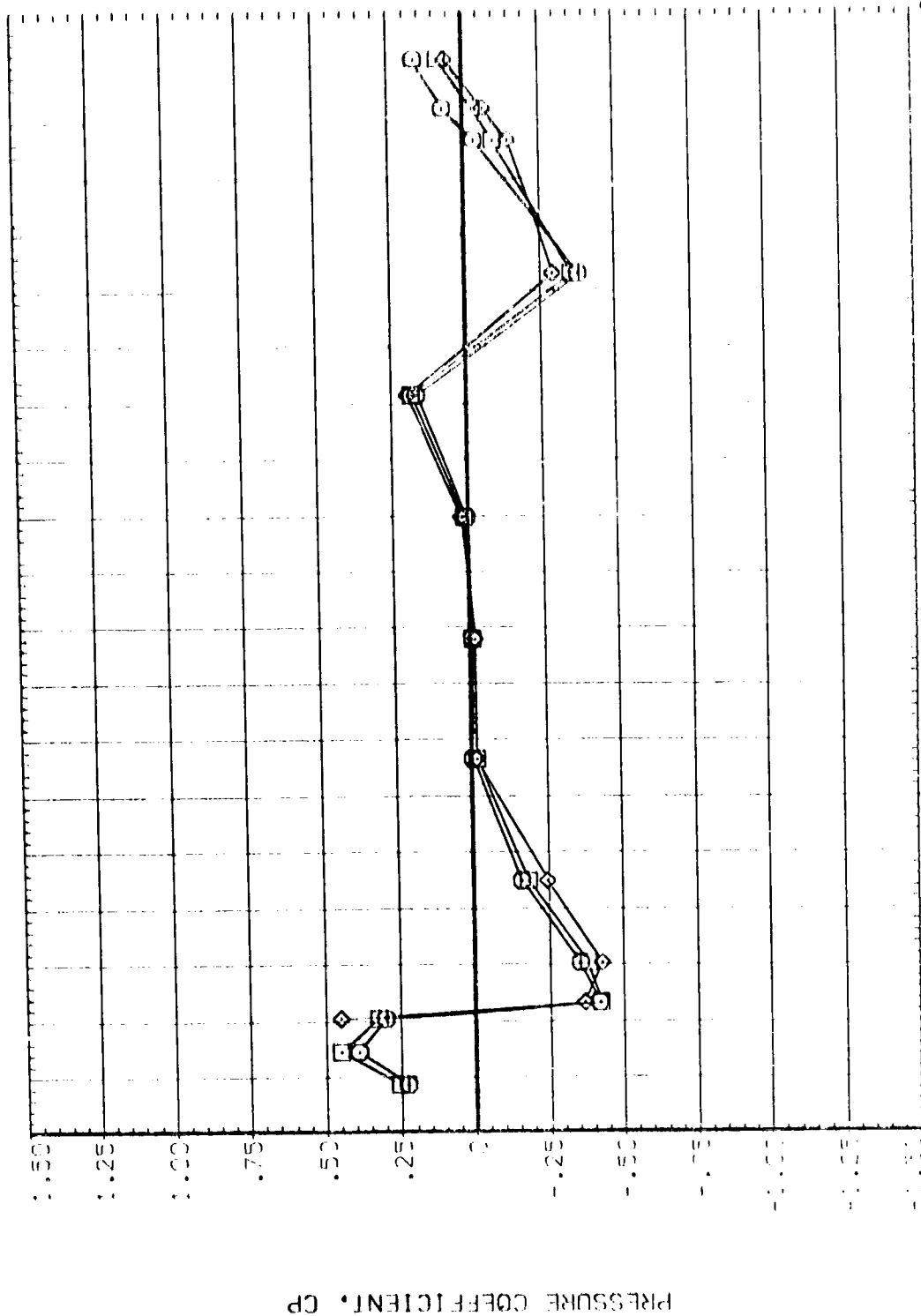


LONGITUDINAL DISTANCE FROM SRB NOSE, X/S

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03.15

MSFC 567(1A32F) TO S3/2 03 U5 SRM BOOSTER (A82S05)

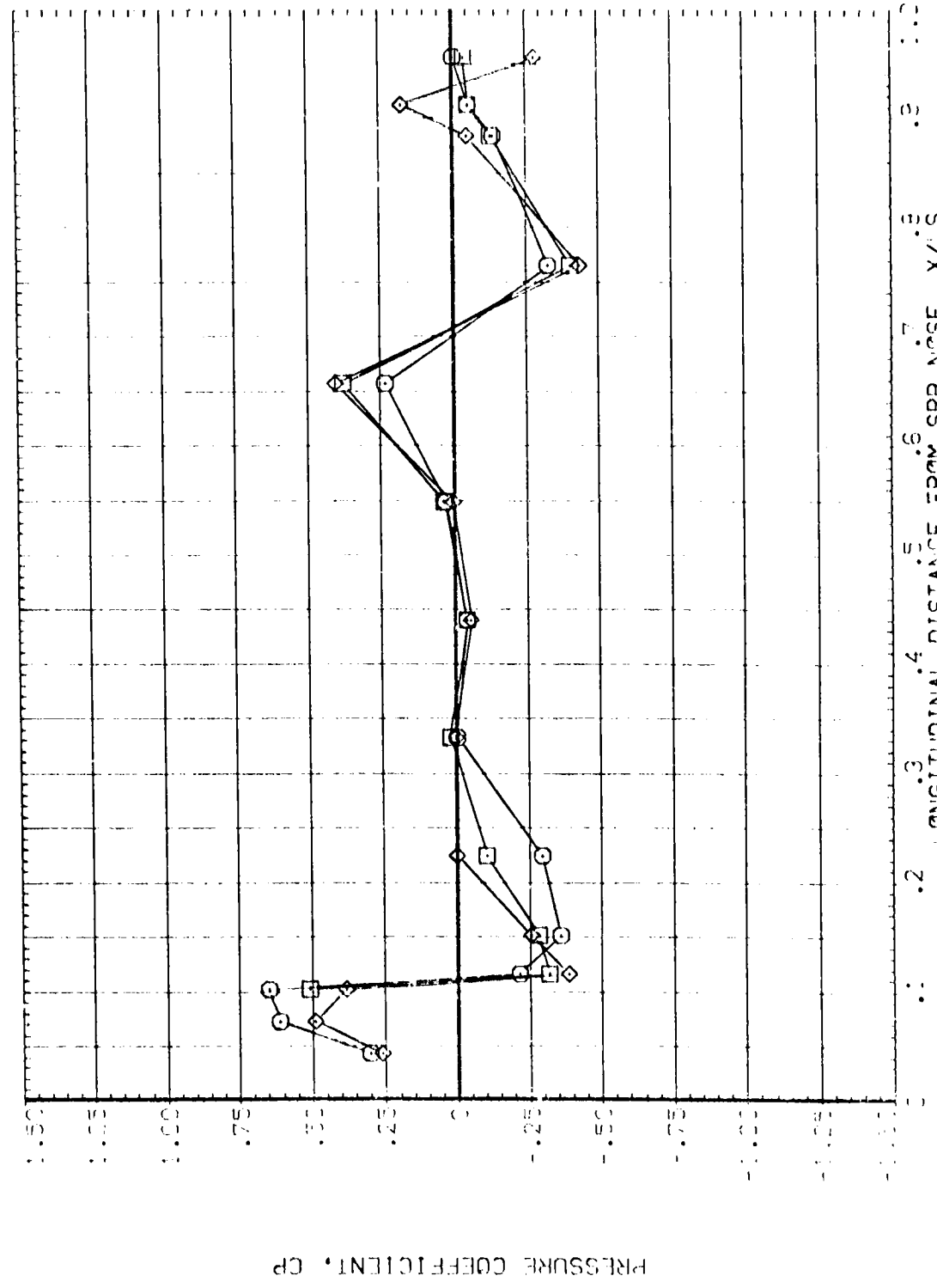
SYMBOL		ALPHA		MACH		REFERENCE DATA		BETA		PARAMETER VALUES	
◇	222.500	0.000	1.250	SREF	8.198	SQ IN.	0.000	DELTA Z	0.000	0.000	0.000
◇	225.000			LREF	5.313	IN.	0.000	DELTA Z	0.000	0.000	0.000
◇	247.500			BREF	5.313	IN.	0.000	DELTA Z	0.000	0.000	0.000
				XMRP	2.548	IN.	0.000	DELTA Z	0.000	0.000	0.000
				YMRP	0.972	IN.	0.000	DELTA Z	0.000	0.000	0.000
				ZMRP	0.000	IN.	0.000	DELTA Z	0.000	0.000	0.000



LONGITUDINAL DISTANCE FROM SRM NOSE, X/L

MSFC 567(IA32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

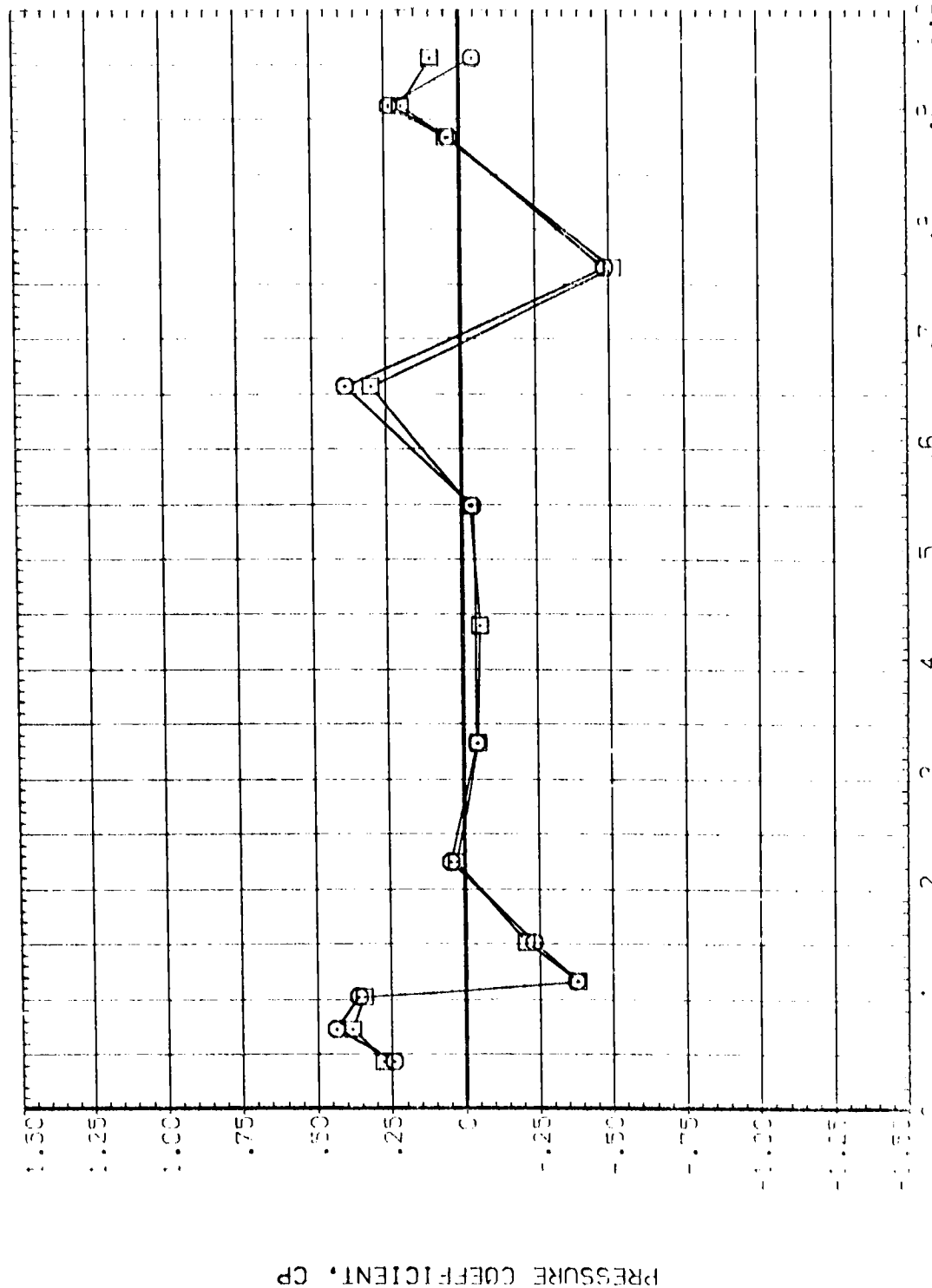
PARAMETRIC VALUES		REFERENCE DATA		PARAMETRIC VALUES	
ALPHA	.000	MACH	1.250	BETA	.000
SCAL	270.000	SREF	6.198	DELTA Z	.140
SCAL	292.500	LREF	5.313	X-SRB	.000
SCAL	315.000	BREF	5.313		
		X-RP	2.549		
		Y-RP	.972		
		Z-RP	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

W5FC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82505)

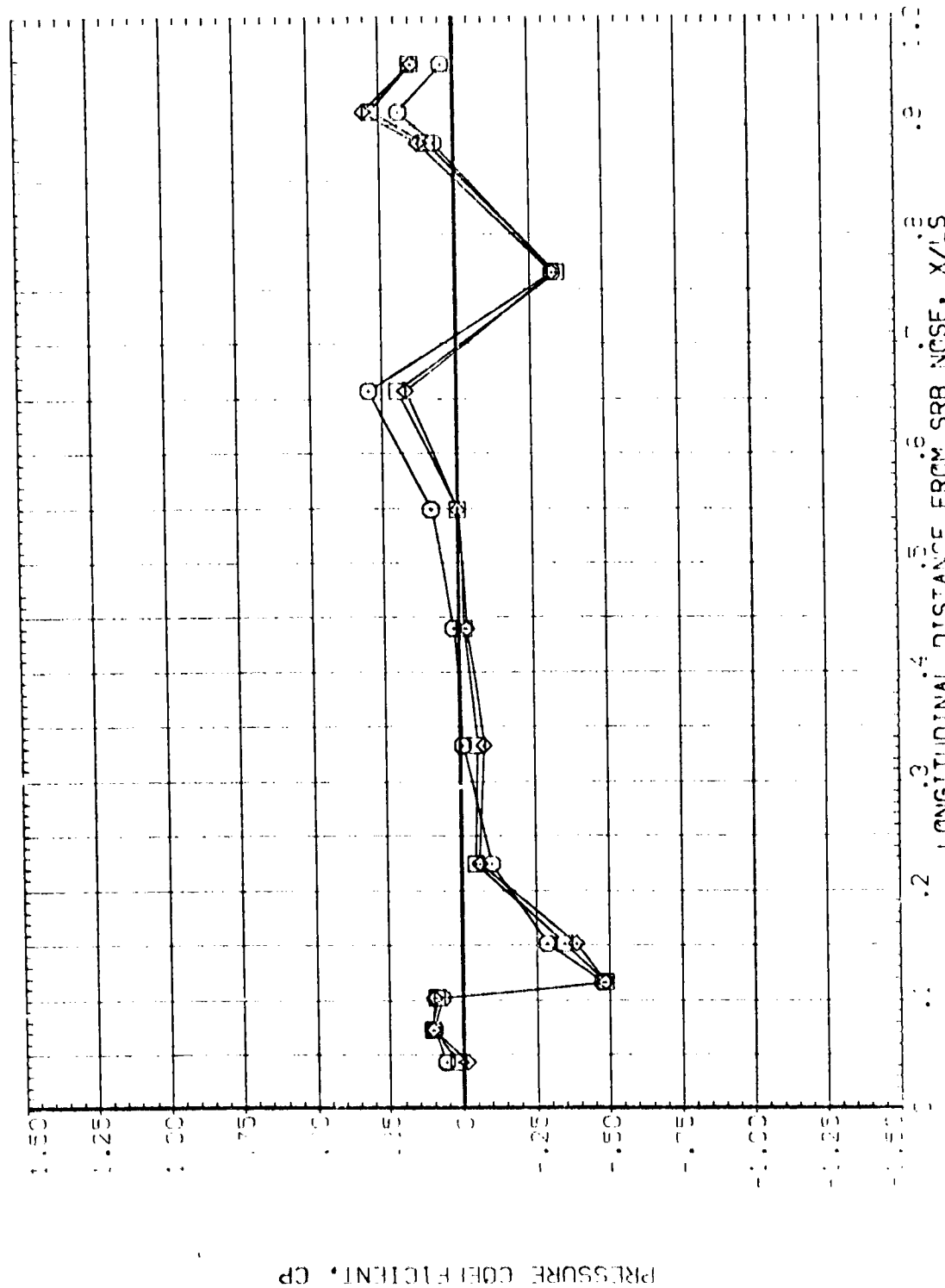
SYMBOL	P-1	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	6.198	SG.IN.	BETA	CTF13	90.000		
237.505		.000	1.250	LREF	5.313	IN.	DELTAZ	.140	RUDER	.000	
360.000				BREF	5.313	IN.	X-SRB	.000	999.140	.500	
				WOP	2.548	IN.					
				ZWOP	.972	IN.					
				ZWRP	.500	IN.					



REFERENCE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

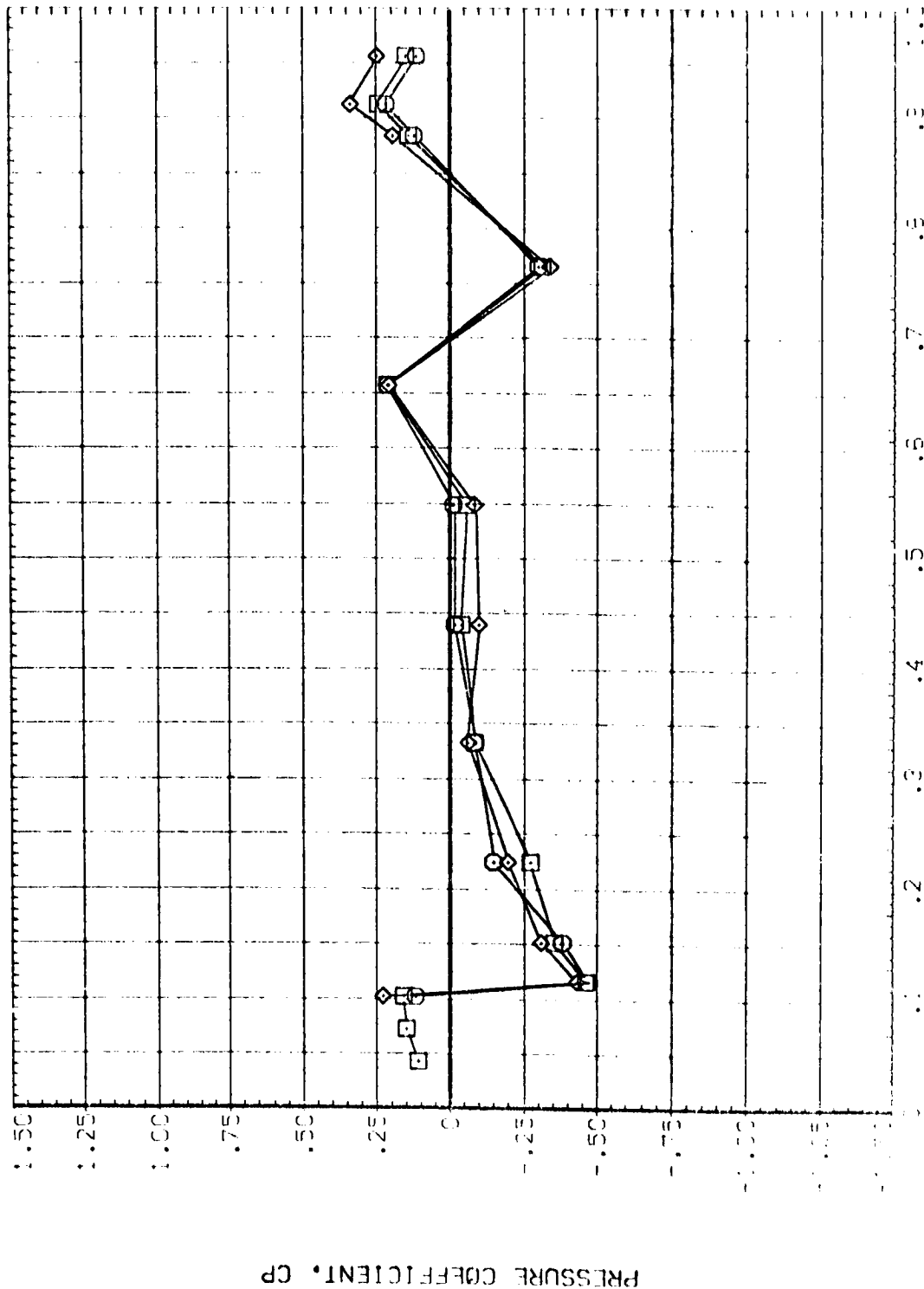
PARAMETRIC VALUES		REFERENCE DATA		PARAMETRIC VALUES	
BETA	.000	CONFIS	80.000		
DELTAZ	.140	PLDPR	.000		
X-SRB	.000	CONFIS	.500		



LONGITUDINAL DISTANCE FROM SRB NOSE, X/LS

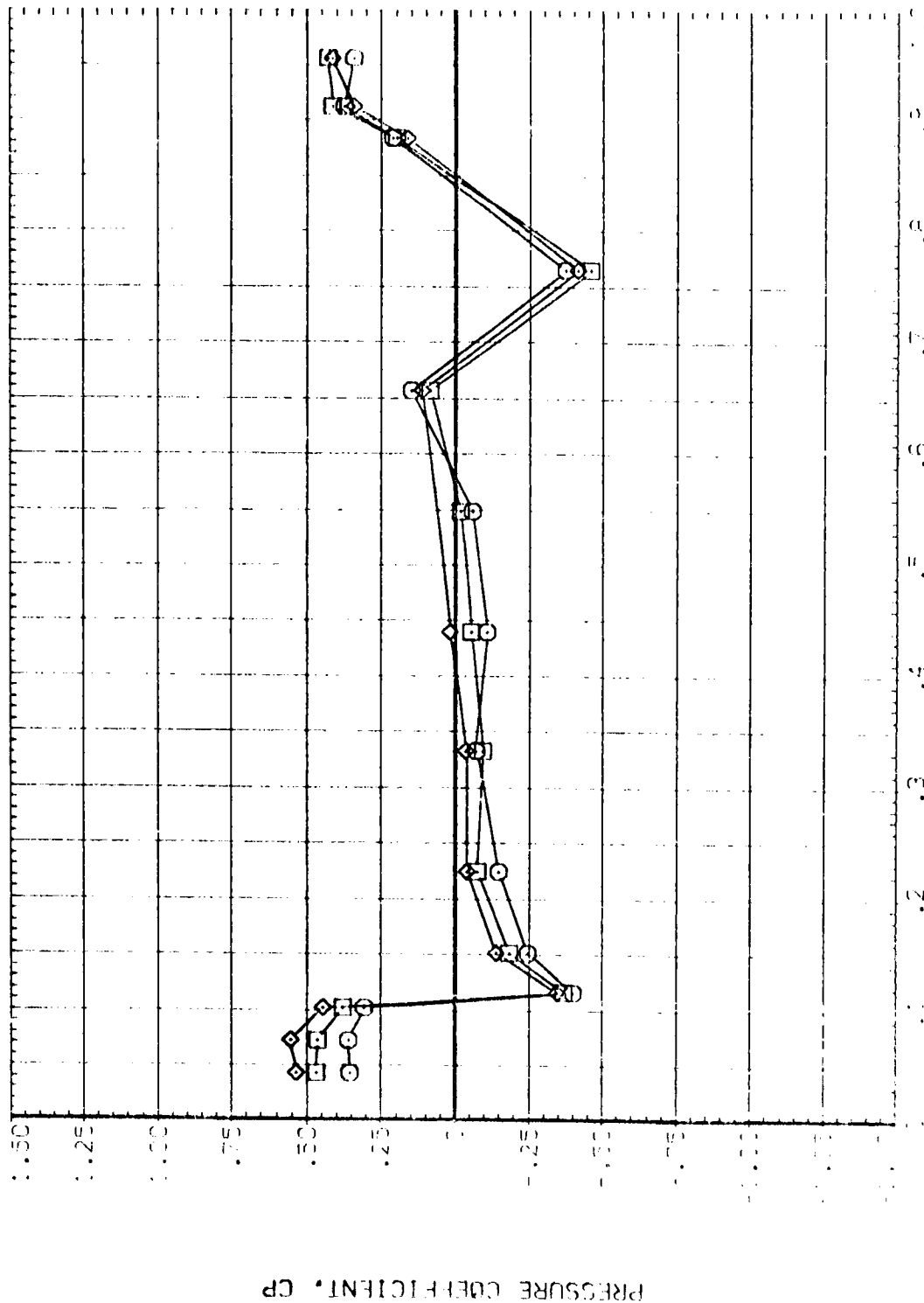
MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

SYMBOL	REFERENCE DATA		PARAMETRIC VALUES	
	ALPHA	MACH	BETA	CONFIG
P-1	8.000	1.250	DELTAZ	90.000
57.500			X-SRB	.000
90.000				.000
112.500				.500



MSFC 567(IA32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

SYMBOL	VALUE	ALPHA	MACH	REFERENCE DATA		BETA		PARAMETRIC VALUES	
				SREF	SQ IN.	DELTA Z	CONF IG	CONF IG	CONF IG
Q100	195,000	9.000	1.250	5.198	IN.	DELTA Z	.000	RUDER	.000
	157,500			5.313	IN.	X-SRB	.000	CONF IG	.500
	130,000			2.546	IN.				
				.972	IN.				
				.000	IN.				

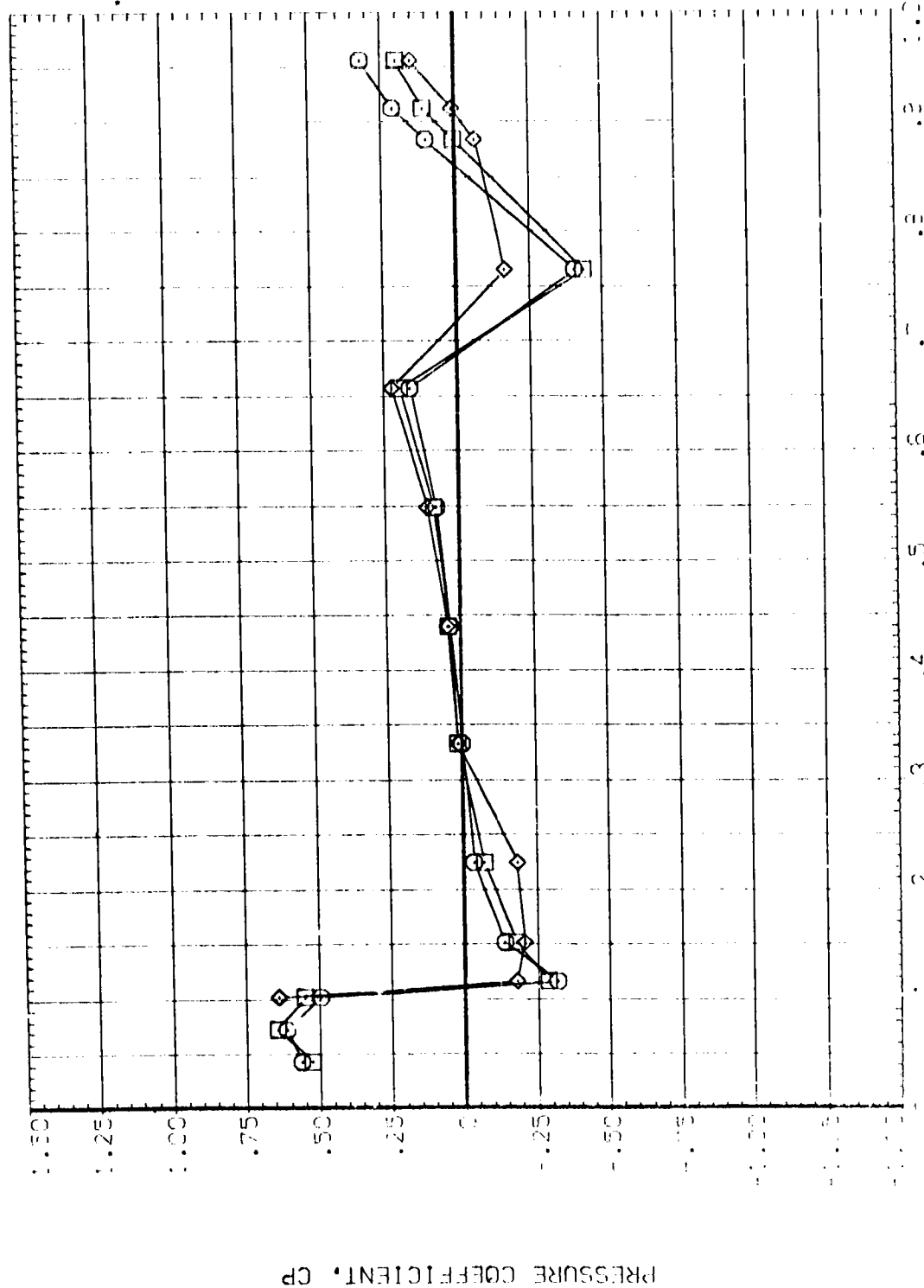


LONGITUDINAL DISTANCE FROM SRB NOSE, X/LS

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S05)

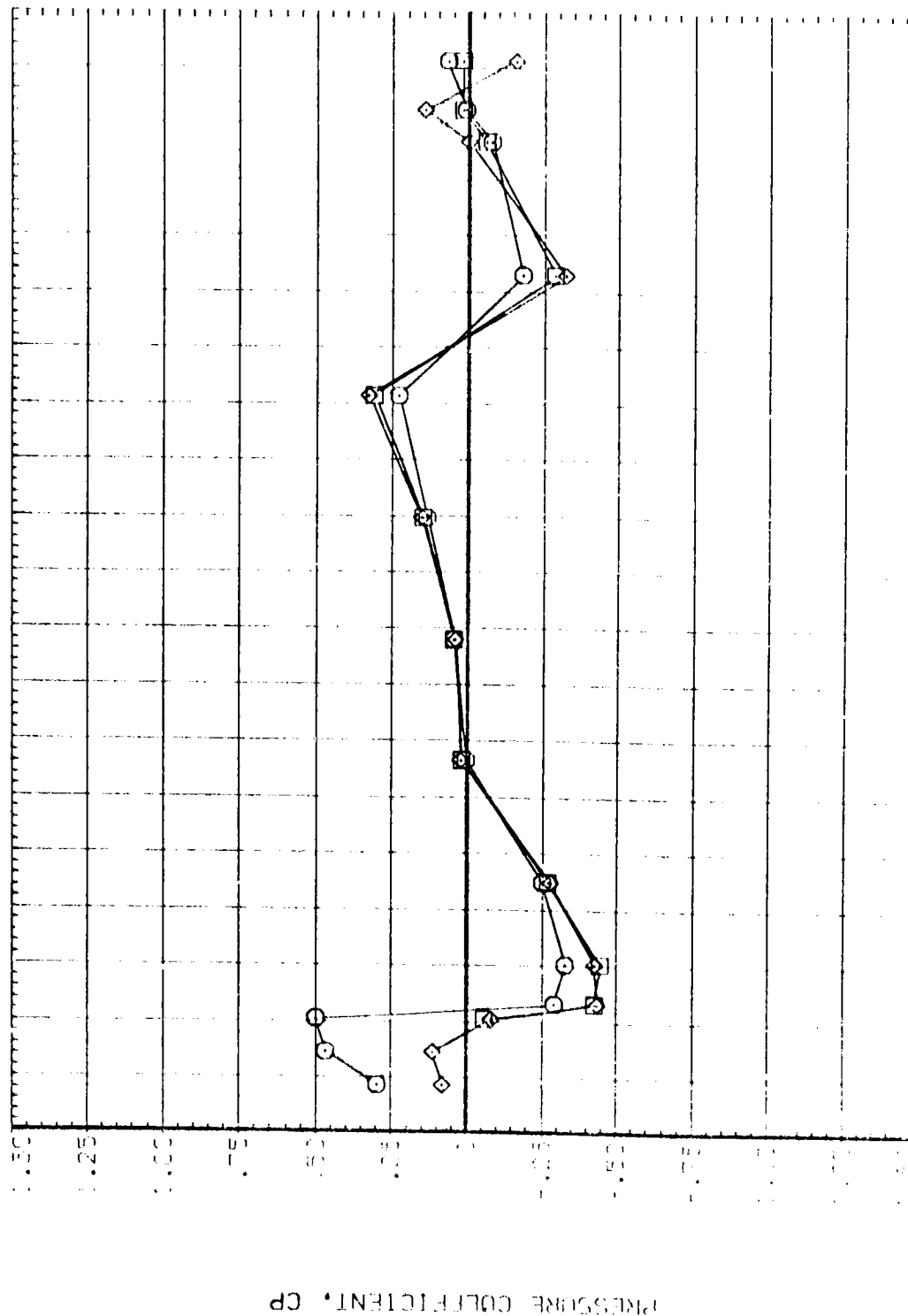
PARAMETRIC VALUES		REFERENCE DATA		BETA		SQ. IN.	
P-1	ALPHA	MACH	SREF	DELTA Z	DELTA Z	N.	N.
222.500	8.000	1.250	5.198	X-SRB	X-SRB	N.	N.
225.000			5.313			N.	N.
227.500			2.549			N.	N.
			.972			N.	N.
			.000			N.	N.



LONGITUDINAL DISTANCE FROM SRB NOSE, X/L

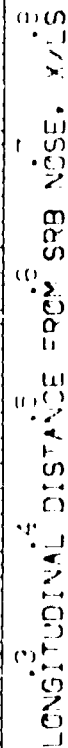
MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

SYMBOL	VAL	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SG.IN.	BETA	CONVTS		
292.000		8.000	1.250	5.198	N.	DELTAZ	.000		90.000
292.500				5.313	N.	X-SRB	.140		.000
315.000				2.549	N.		.000		.500
				.972	N.				
				.000	N.				



LONGITUDINAL DISTANCE FROM SRB NOSE, X/LS
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 LONGITUDINAL DISTANCE FROM SRB NOSE, X/LS

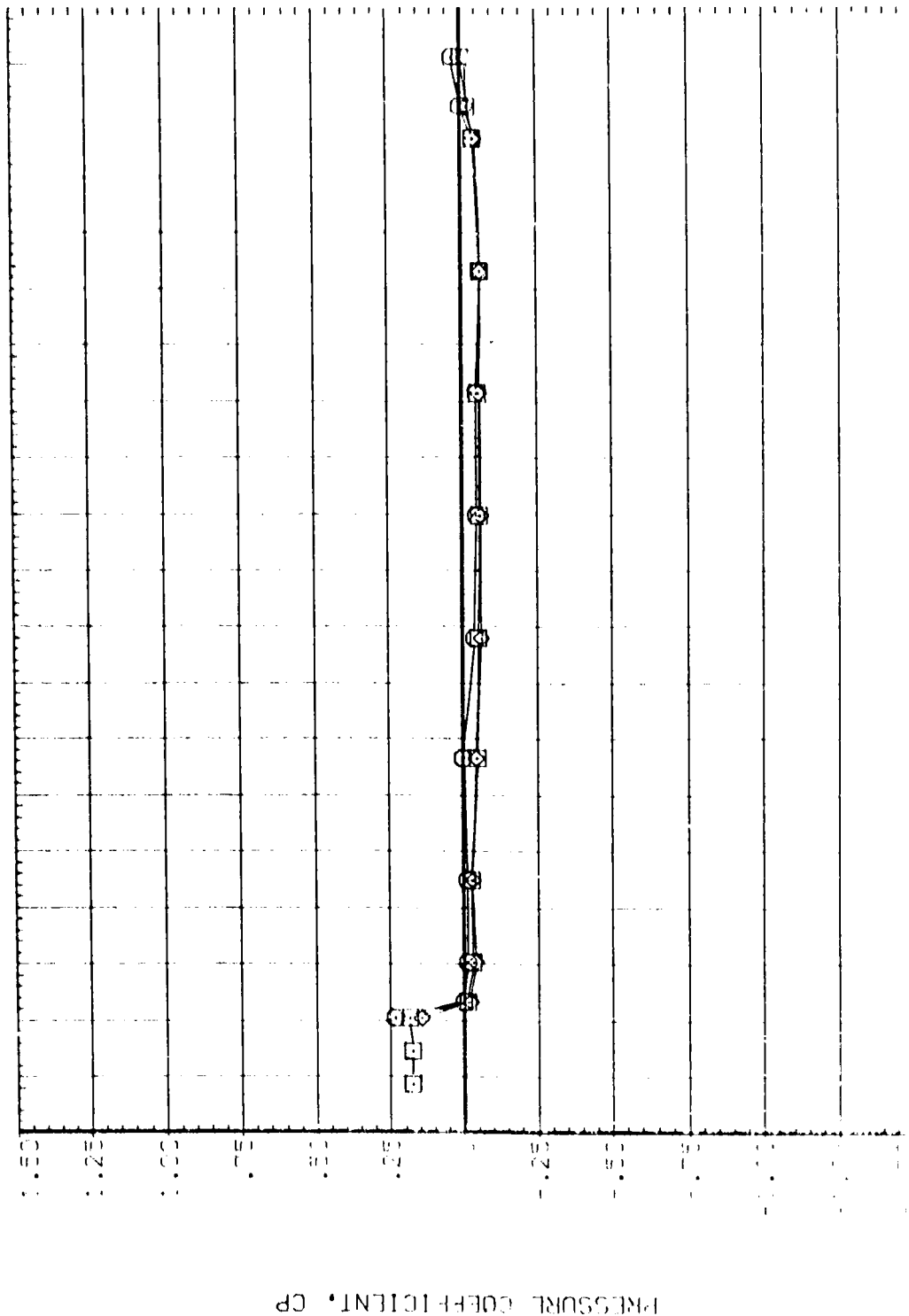
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MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82SC5)

SINCE	PUL	ALPHA		MACH		REFERENCE DATA		PARAMETRIC VALUES	
		87.500	-9.000	3.500		SREF	51.98	BETA	.00
		90.000				LREF	51.313	DELTA Z	.00
		1.21500				BREF	51.313	X-SRB	.00
						XMRP	2.549		.00
						YMRP	.972		.00
						ZMRP	.000		.00

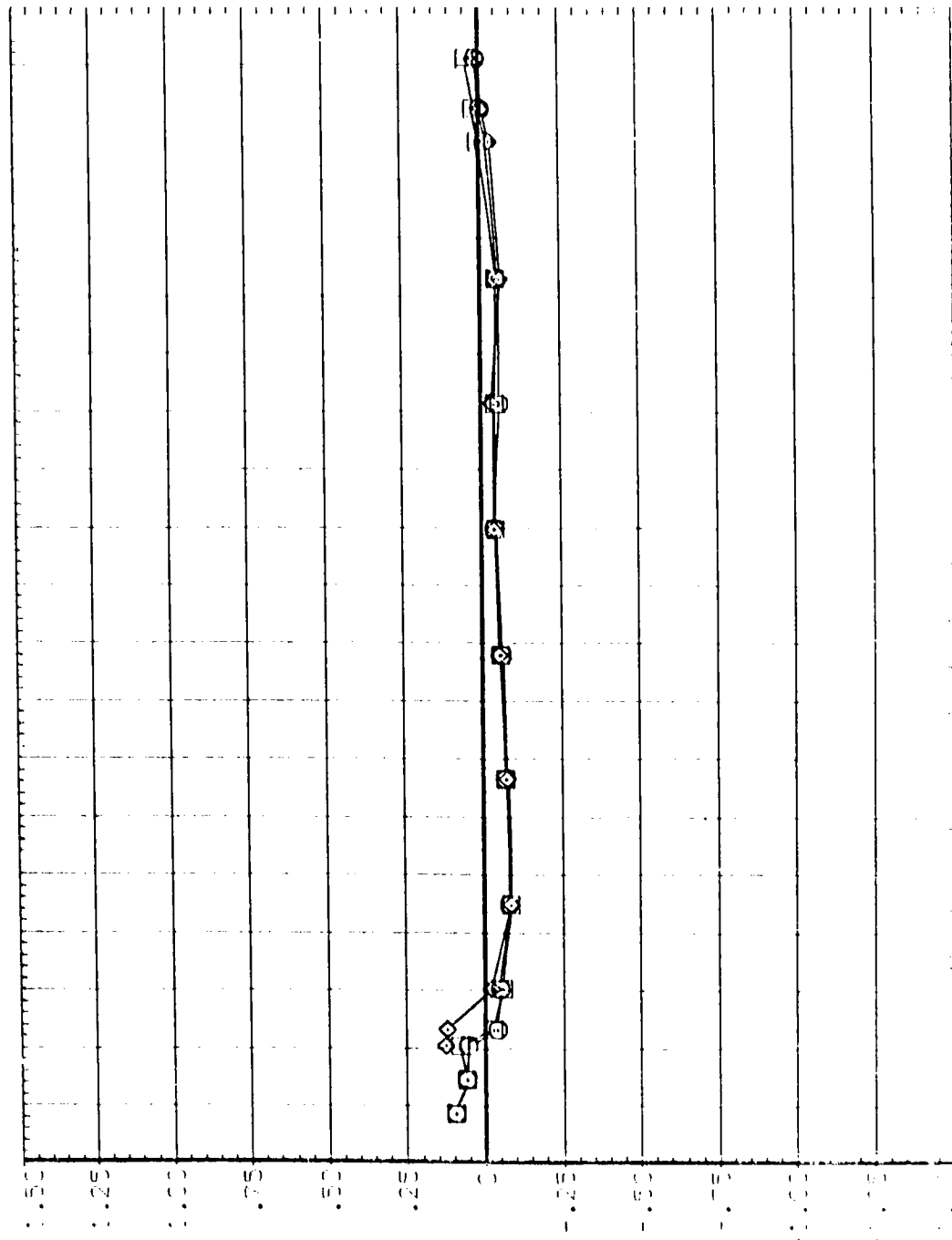


LONGITUDINAL DISTANCE FROM SRM NOSE, FT

LEEWARD DISTRIBUTION ON LEW SRM BOOSTER T9 S3/2 S3/2 03 U5

WSEC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S05)

SI-MSC	ALPHA	MACH	REFERENCE DATA	PARAMETRIC VALUES
202.500	-9.000	3.500	SREF 6.198	BETA 1.000
205.100			LSREF 5.313	CONFID 90.000
207.500			BRF 5.313	DELTA 1.400
			YREF 2.549	CONFID 90.000
			ZREF .972	DELTA 1.400
				CONFID 90.000

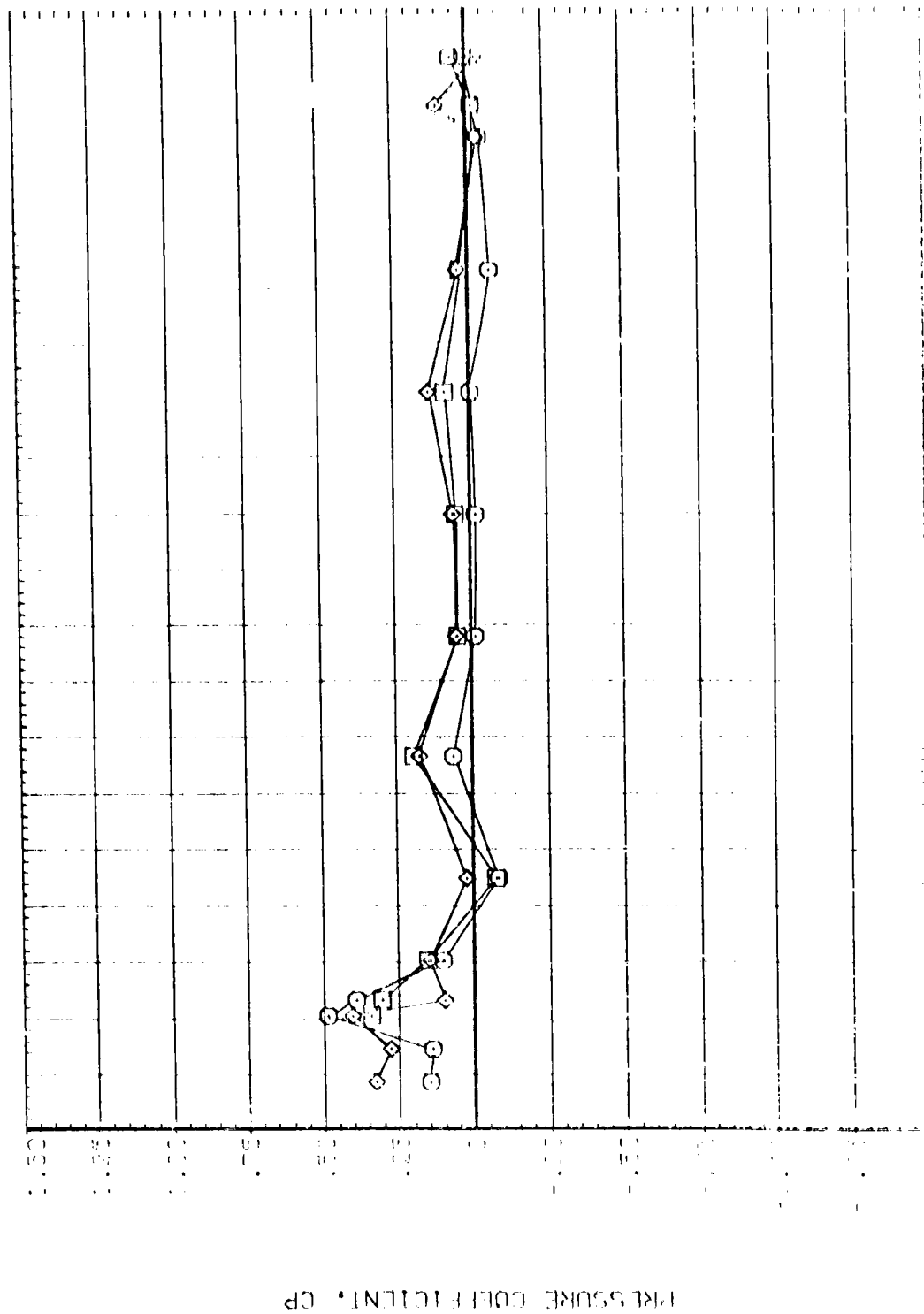


LONGITUDINAL DISTANCE FROM SRM NOSE, IN

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 03 U5

WSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82SC5)

SYMBOL		REFERENCE DATA		PARAMETRIC VALUES	
ALPHA	MACH	SREF	SO. IN.	BETA	CONFID
-8.000	3.500	LREF	IN.	DELTA Z	CONFID
200.000		BREF	IN.	A-SPE	CONFID
102.500		YREF	IN.		
113.500		ZREF	IN.		

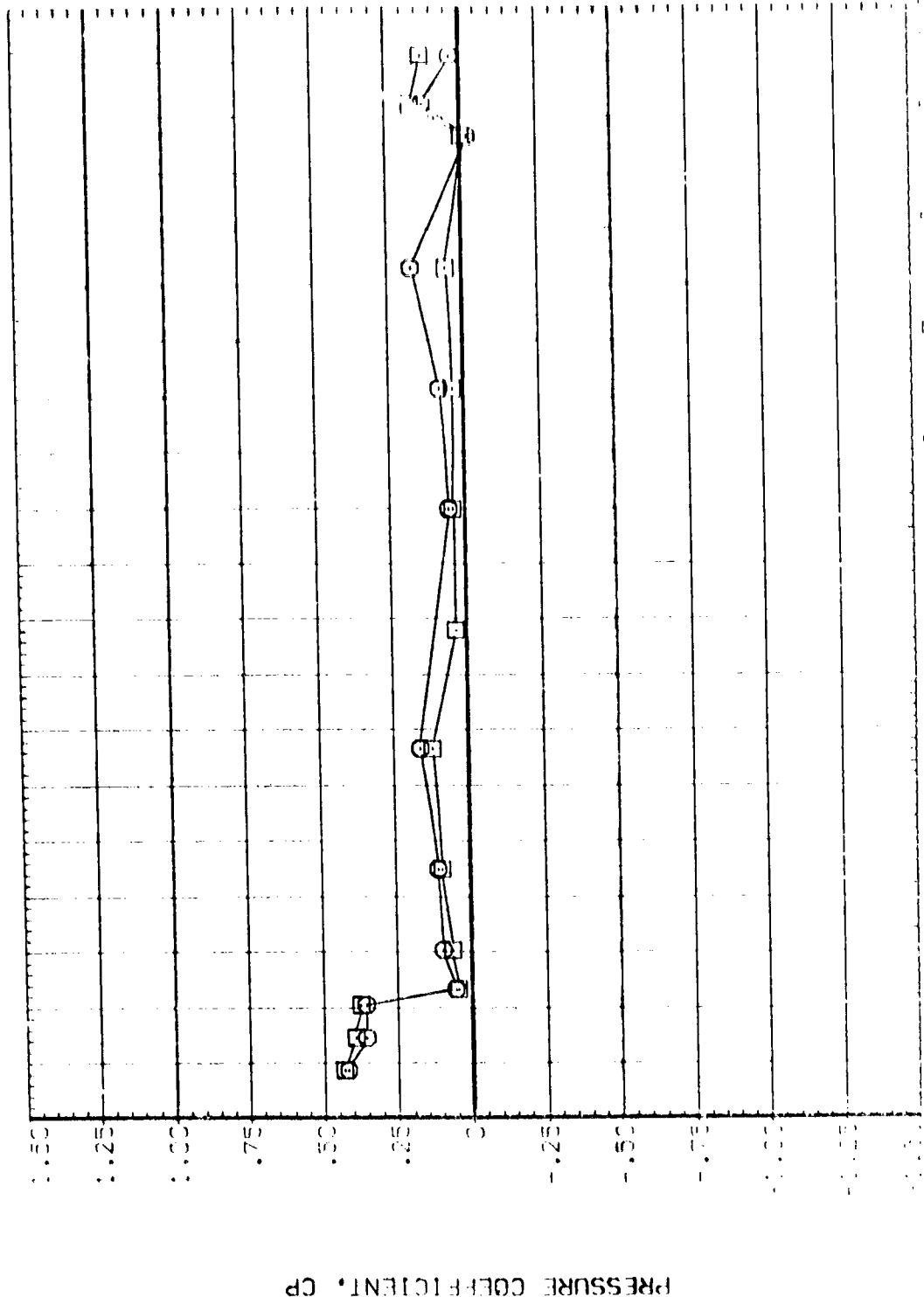


1.0 1.2 1.3 1.4 LONGITUDINAL DISTANCE FROM SRM NOSE, X

SRM BOOSTER T9 S3/2 S3/2 03 U5

WSEC 567(IA32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82505)

SYMBOL	REF	ALPHA	MACH	REFERENCE DATA	PARAMETER VALUES
1	37.500	-8.000	3.500	SPREF 5.198	BETA 1.000
2	39.000			LPREF 5.313	DELTAZ 1.000
				RPREF 5.313	PLUGGER 1.000
				MPREF 2.548	POSING 1.000
				ANGP 1.072	
				ZREF 1.000	

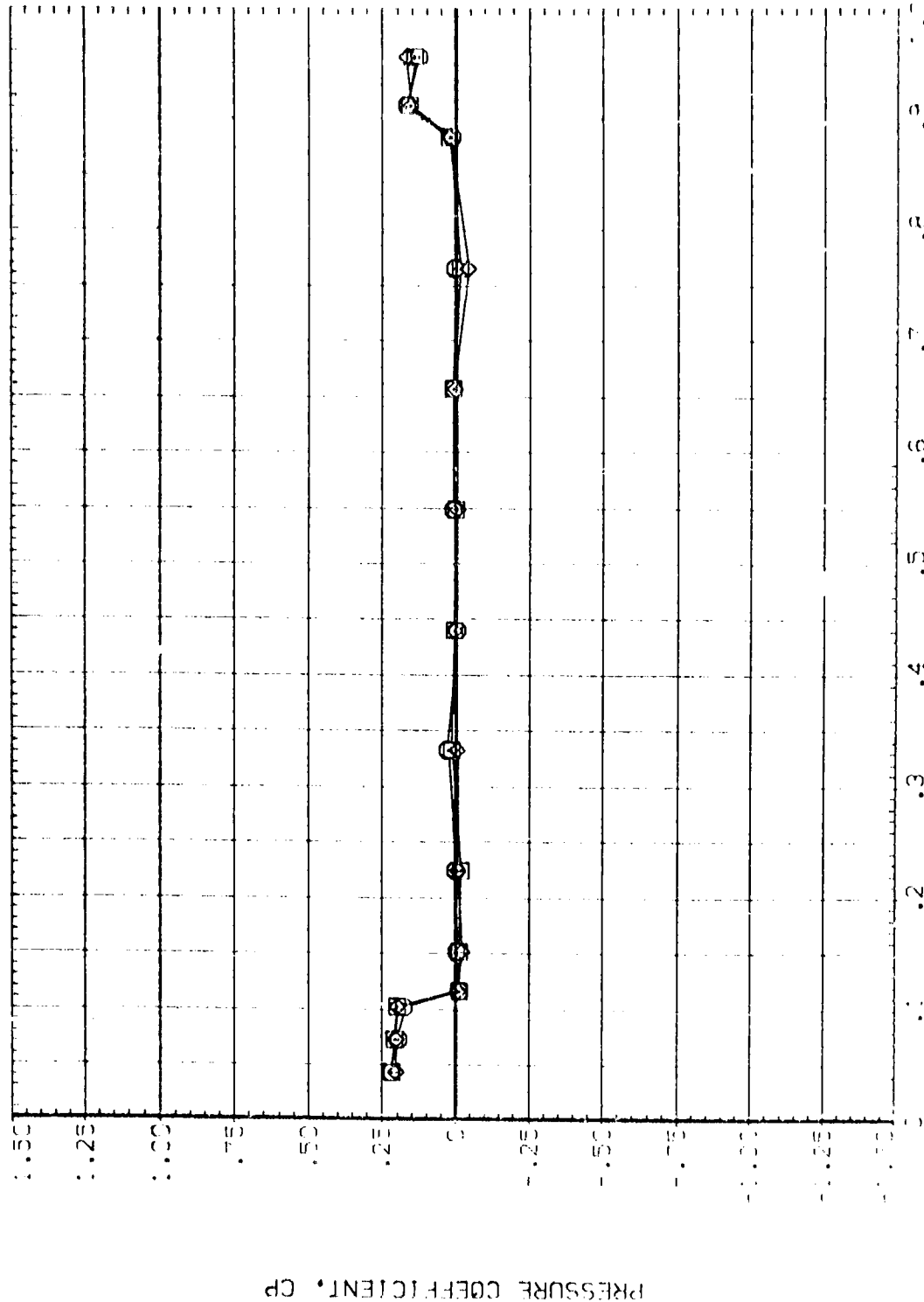


LONGITUDINAL DISTANCE FROM SRM BOOSTER, X

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 58701A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

S-ASC		ALPHA		MACH		REFERENCE DATA		BETTER		PARAMETRIC VALUES	
0.00	0.00	0.00	0.00	3.500		SREF	6.198	SQ. IN.	0.00	CONFID	20.000
0.25	0.25					LREF	5.313		0.00	CONFID	1.000
0.50	0.50					BREF	5.313		0.40	CONFID	1.000
						X-REF	2.548		0.00	CONFID	1.000
						Y-REF	1.972		0.00	CONFID	1.000
						Z-REF	1.000				

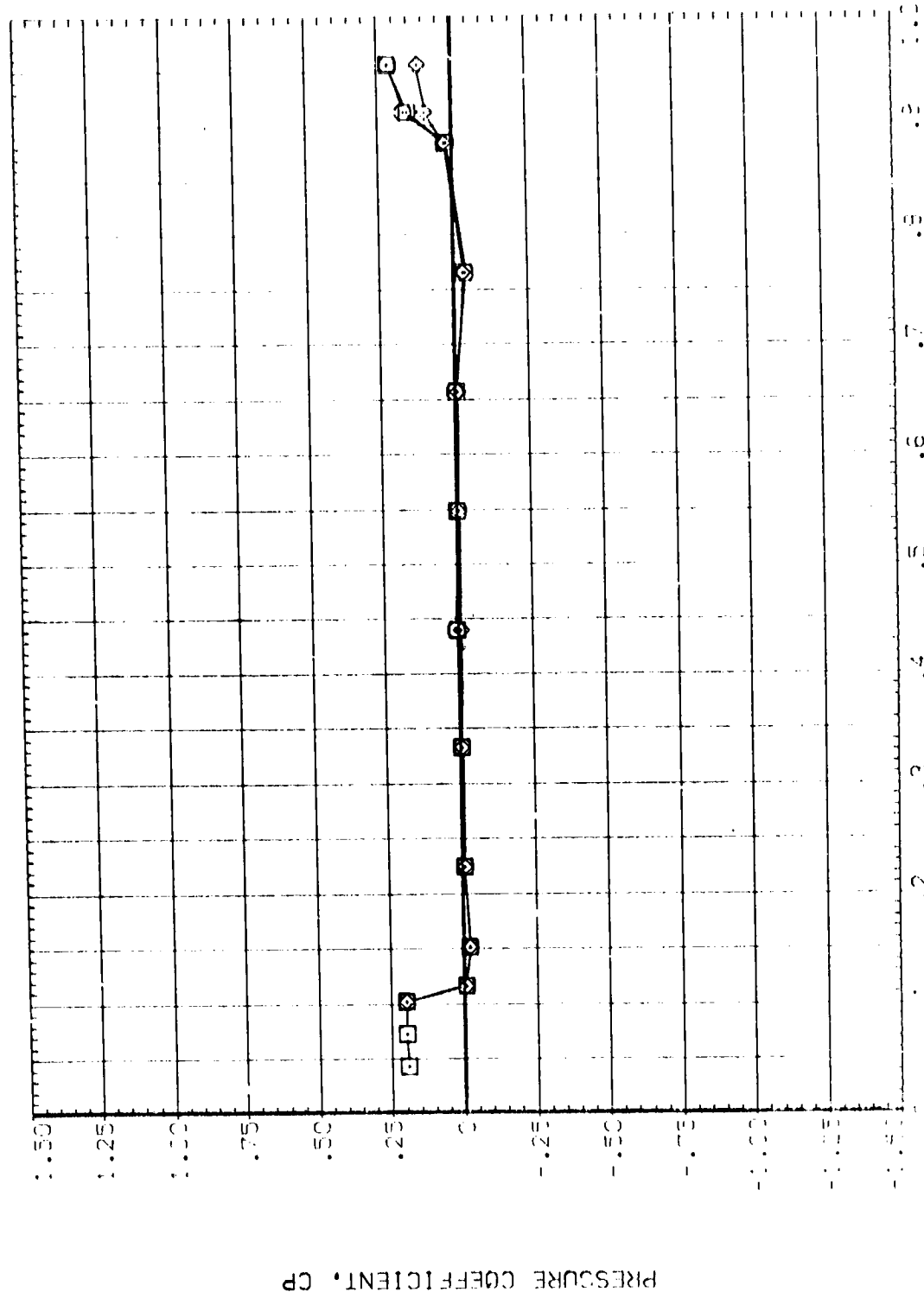


LONGITUDINAL DISTANCE FROM SRB NOSE, X/S

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82SC05)

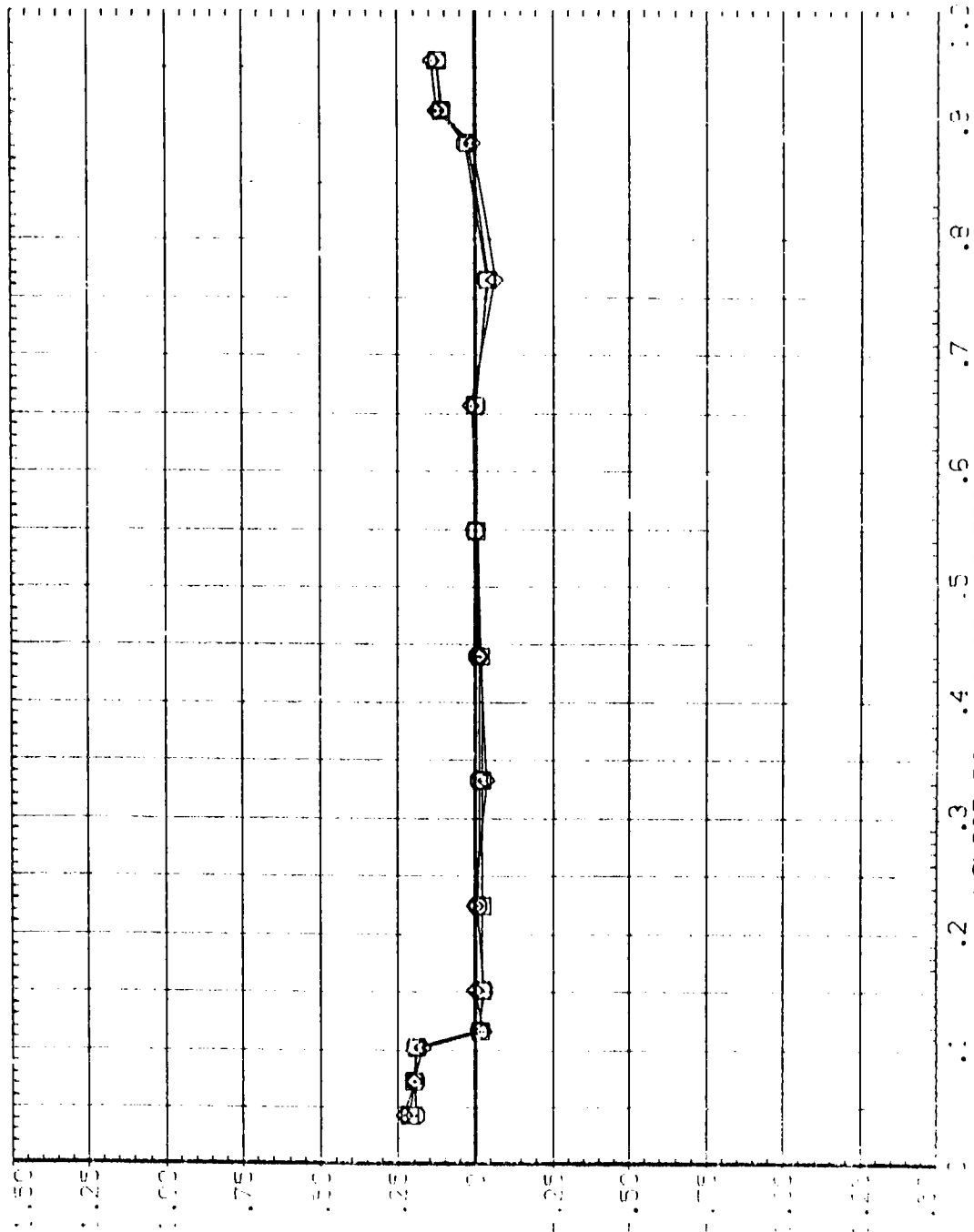
SYMBOL	REFERENCE DATA		PARAMETRIC VALUES	
	ALPHA	MACH	BETA	CONFID
□	07.500	3.500	DELTA Z	90.000
○	30.000		X-SRB	.000
◇	112.500			.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

VSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S05)

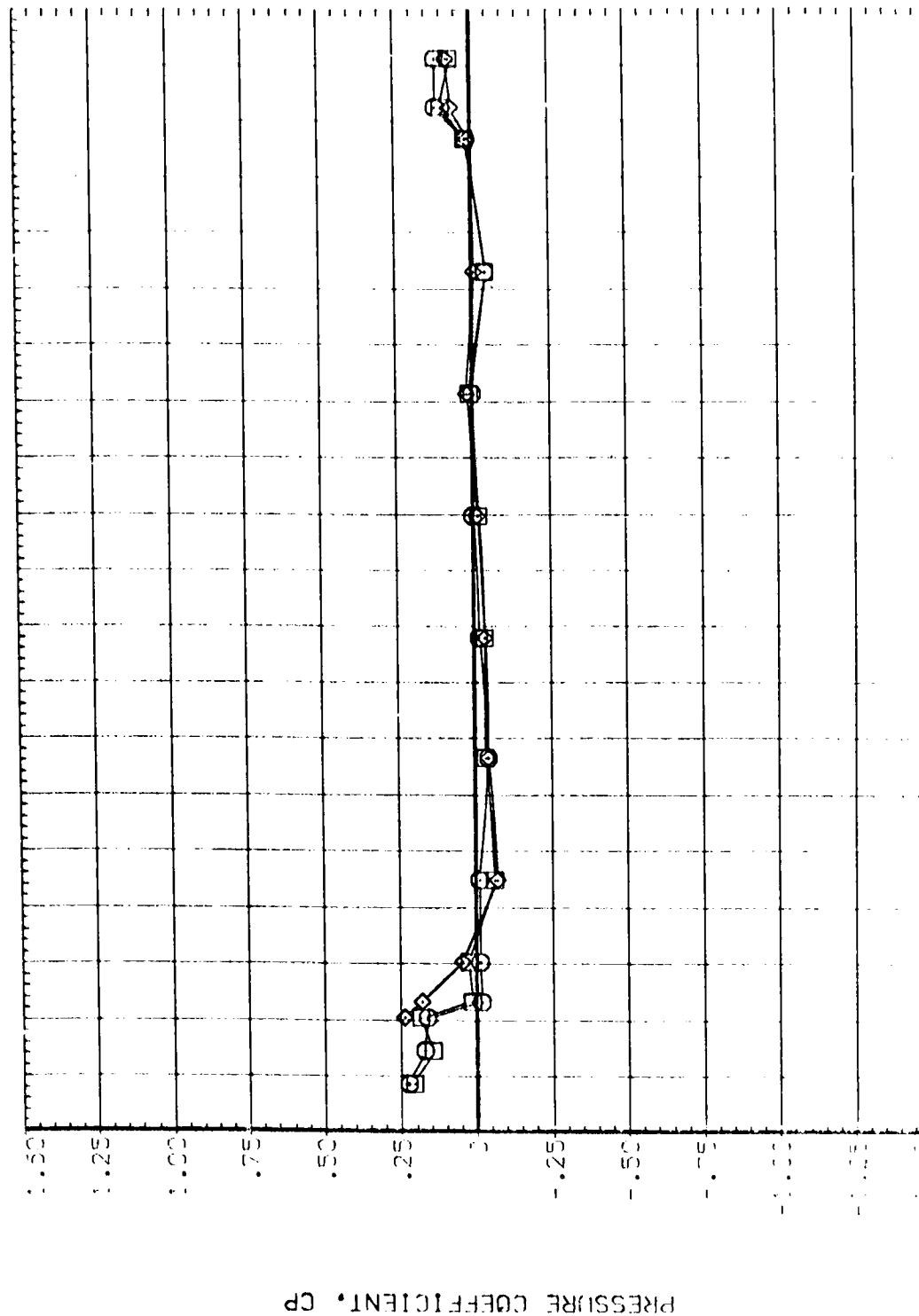
S/WGT	ALPHA	MACH	REFERENCE DATA			PARAMETRIC VALUES		
			SREF	LREF	SREF	BETA	CONFIS	SC.000
1	1.25	1.000	3.198	3.313	1.000	DELTAZ	RUDER	.000
2	1.500	3.500	3.313	3.313	.140	X-SRB	999.10	.500
3	2.000		2.549	.972	.000			
			ZMRP	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

SYMBOL		REFERENCE DATA		PARAMETRIC VALUES	
Q41	ALPHA	MACH	SG, IN.	BETA	CONF'S
402,500	.000	3.500	6.198	DELTA Z	R.OOPE
425,000			5.313	X-SRB	98.14
437,500			2.549		
			.972		
			.000		

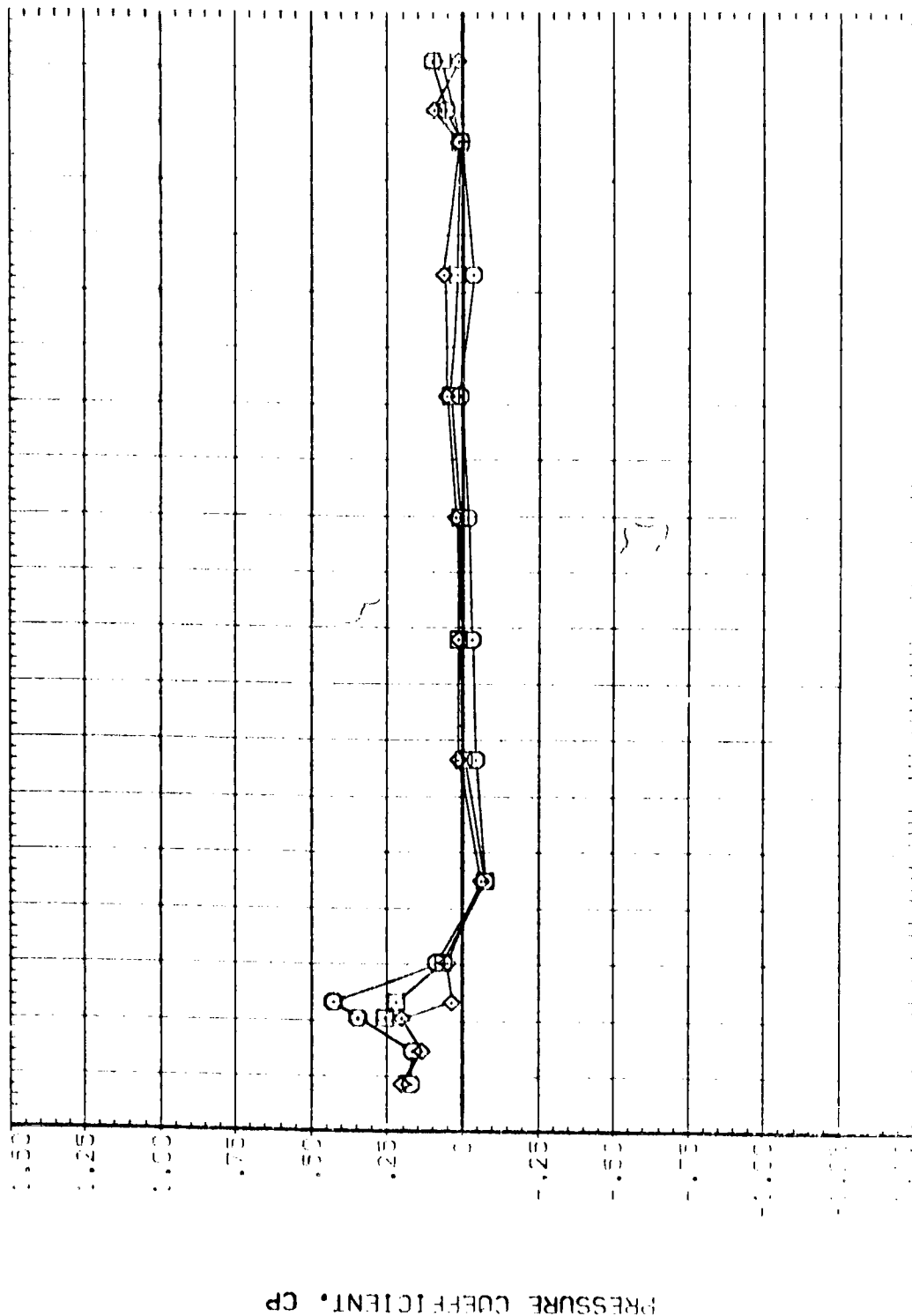


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PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

USFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82SC5)

SYMBOL	ALPHA	MACH	REFERENCE DATA	SG IN.	PARAMETRIC VALUES
0.00	0.000	3.500	SREF 6.198	2	BETA 0.000
0.00	0.000	3.500	LREF 5.313	2	DELTAZ 0.000
0.00	0.000	3.500	BREF 5.313	2	X-SRB 0.000
0.00	0.000	3.500	XMRP 2.549	2	0.000
0.00	0.000	3.500	XMRP 0.972	2	0.000
0.00	0.000	3.500	ZMRP 0.000	2	0.000

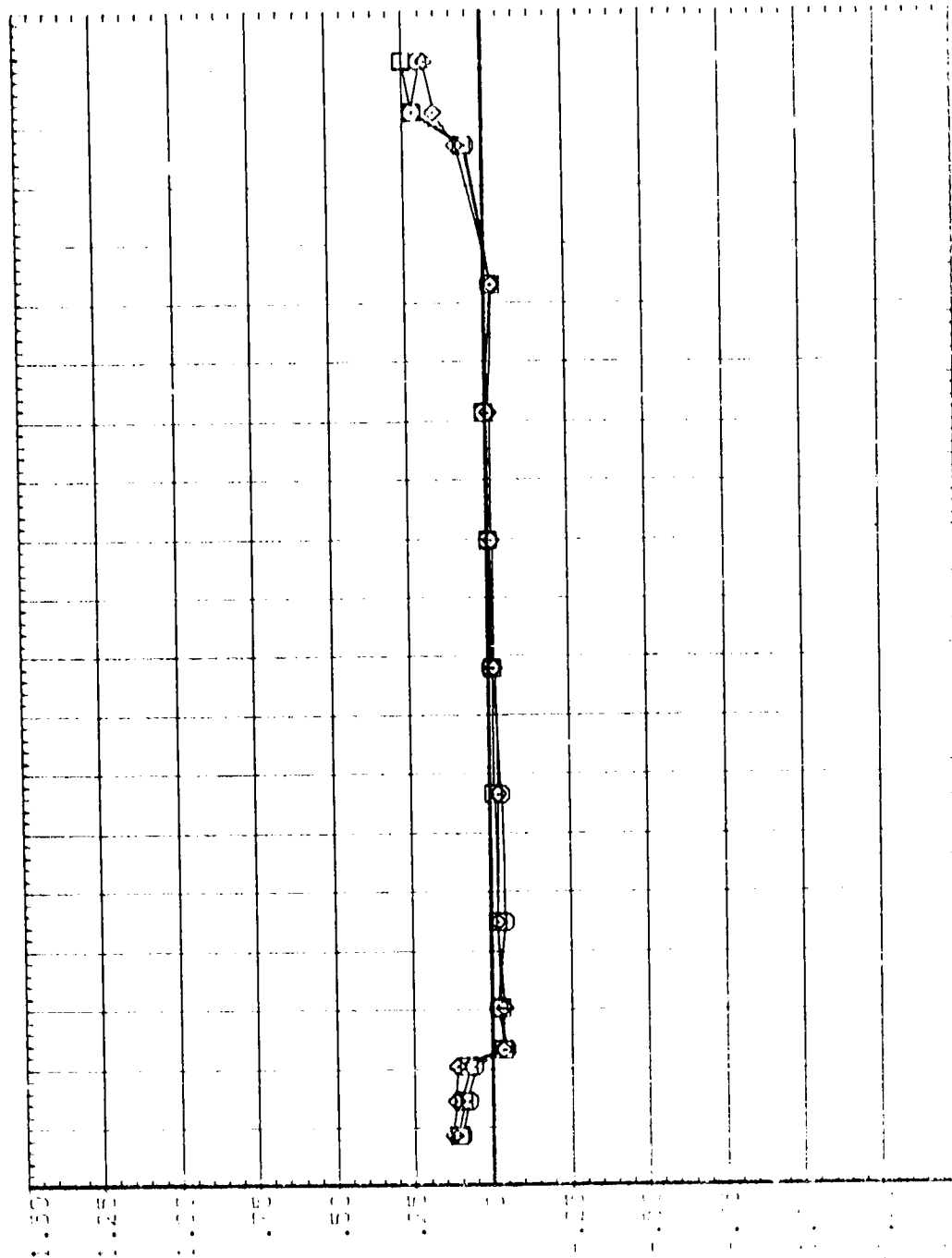


LONGITUDINAL DISTANCE FROM SRB NOSE, X/LS

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

REF ID: A67890 11SFC 56701A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

PARAMETRIC VALUES		REFERENCE DATA		PARAMETRIC VALUES	
ALPHA	8.000	SREF	6.198	BETA	.000
MACH	3.500	LREF	5.313	DELTA Z	.000
		BREF	5.313	X-SRB	.000
		XREF	2.549		.500
		YREF	.972		
		ZREF	.000		



LONGITUDINAL DISTANCE FROM SRM NOSE, X/L

0.2 0.3 0.4 0.5 0.6 0.7 0.8

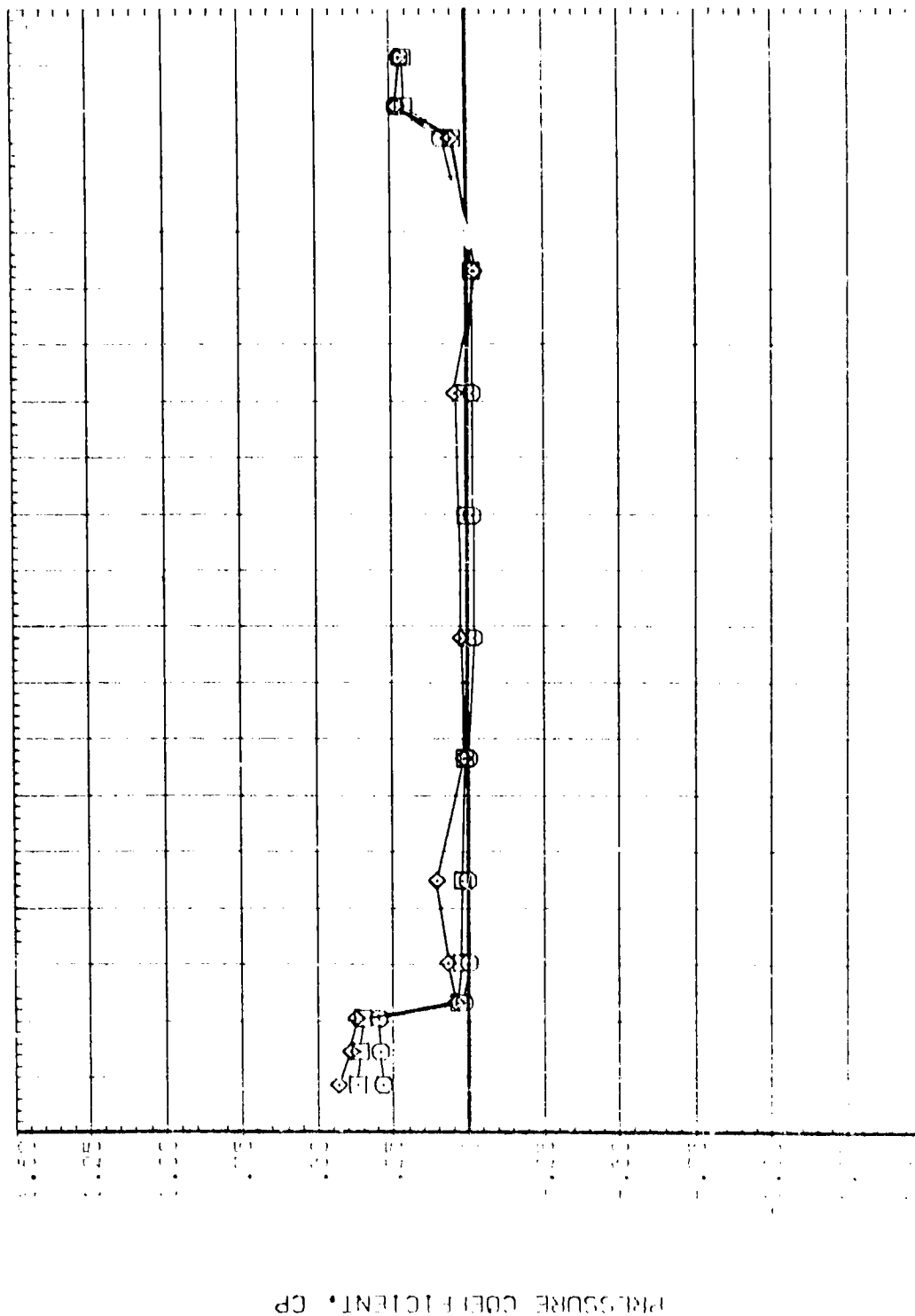
0.2 0.3 0.4 0.5 0.6 0.7 0.8

WSEC 567 (A32F) T9 S3/2 03 U5 SRM BCOS*ER (A82S05)

S-REF		ALPHA		MACH		REFERENCE DATA		SQ. IN.		PARAMETRIC VALUES	
60	60.500	8.000	3.500	SREF	6.198	BETA	.000	2.2	2.2	2.2	2.2
60	60.500	8.000	3.500	LGREF	5.313	DELTA Z	.140	2.2	2.2	2.2	2.2
60	60.500	8.000	3.500	BREF	5.313	X-SRB	.000	2.2	2.2	2.2	2.2
60	60.500	8.000	3.500	XREF	5.313			2.2	2.2	2.2	2.2
60	60.500	8.000	3.500	YREF	5.313			2.2	2.2	2.2	2.2
60	60.500	8.000	3.500	ZREF	5.313			2.2	2.2	2.2	2.2

WSEC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

SYMBOL	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
			SREF	6.198	50.1N.	BETA	CONFIG	90.000
0.000	0.000	3.500	LREF	5.313	IN.	DELTAZ	R000R	.000
0.000	0.000		BREF	5.313	IN.	X-SRB	0001N	.500
0.000	0.000		AMRP	2.549	IN.			
0.000	0.000		VMRP	.972	IN.			
0.000	0.000		ZMRP	.000	IN.			



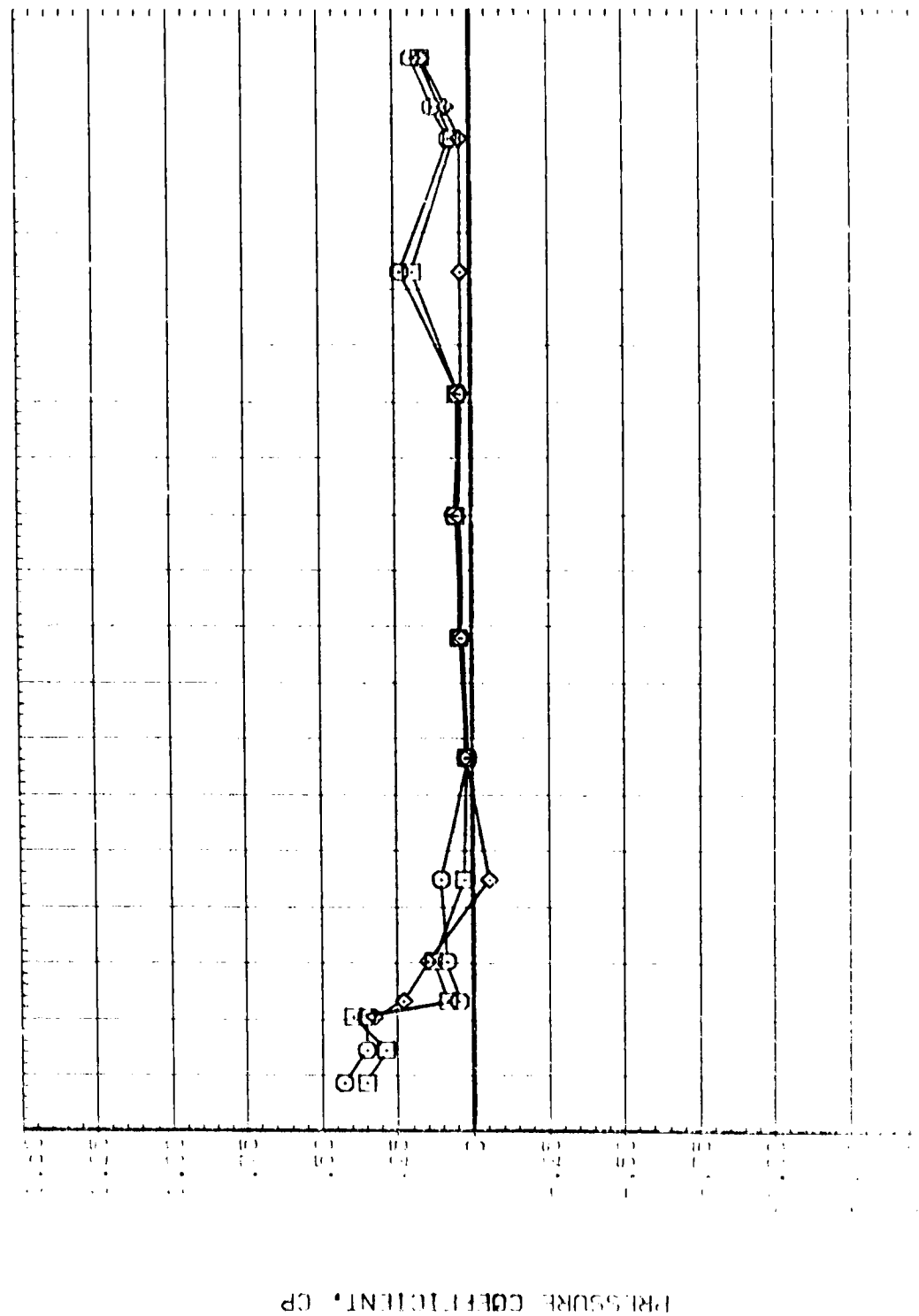
LONGITUDINAL DISTANCE FROM SRB NOSE, X/L

0.0 0.2 0.4 0.6 0.8 1.0

WSEC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER

350 557(1A32F) T9 S3/2 S3/2 03 US SRM BOOSTER (A22905)

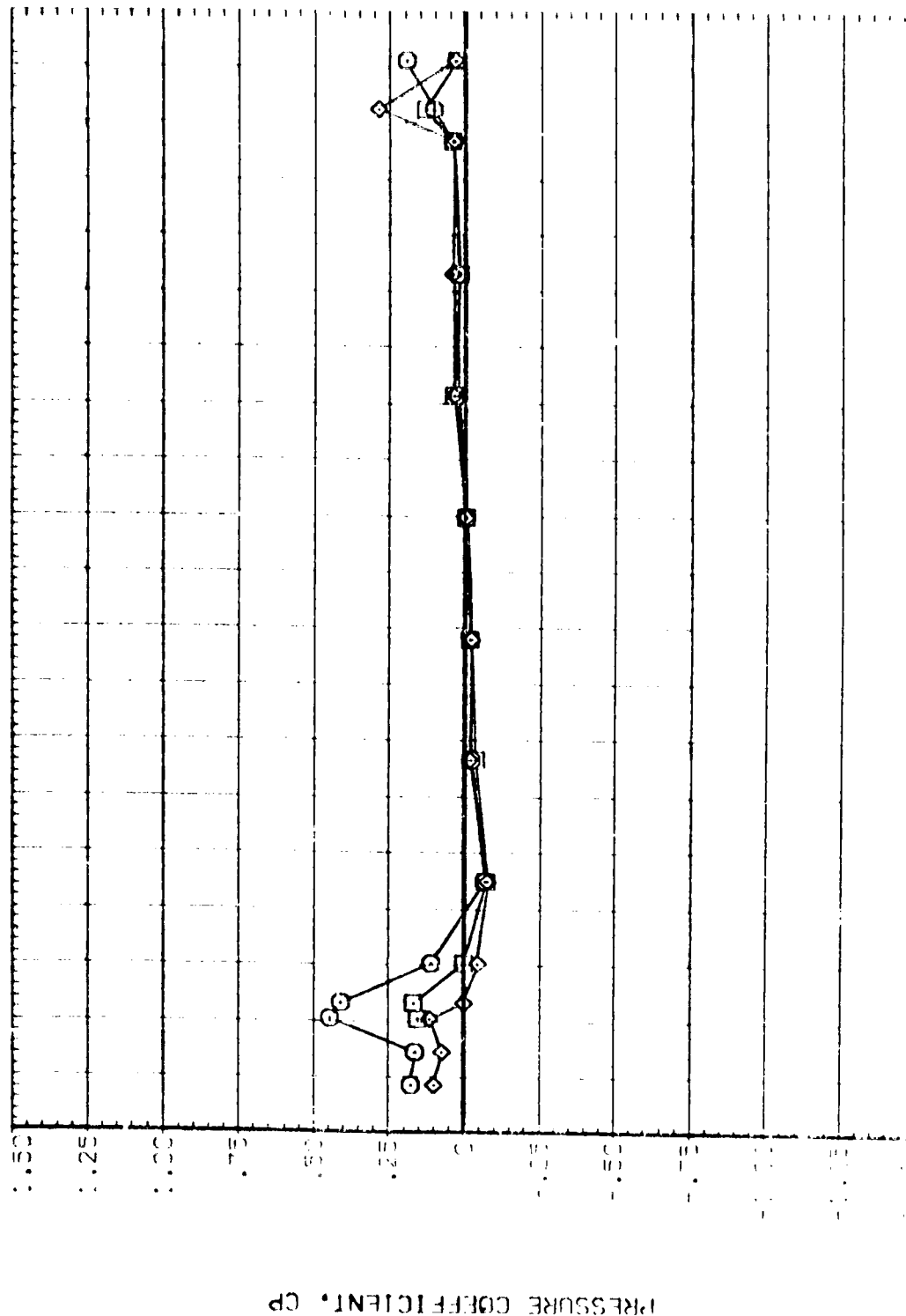
ALPHA	MACH	REFERENCE DATA	PARAMETRIC VALUES
9.000	3.500	SREF 6.198	BETA 1.000
		REF 5.313	DELTAZ 1.40
		REF 3.313	V-SRS 1.000
		REF 2.549	
		WREF 1.514	
		ZREF 1.000	



LONGITUDINAL DISTANCE FROM NOSE, X/LB

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82905)

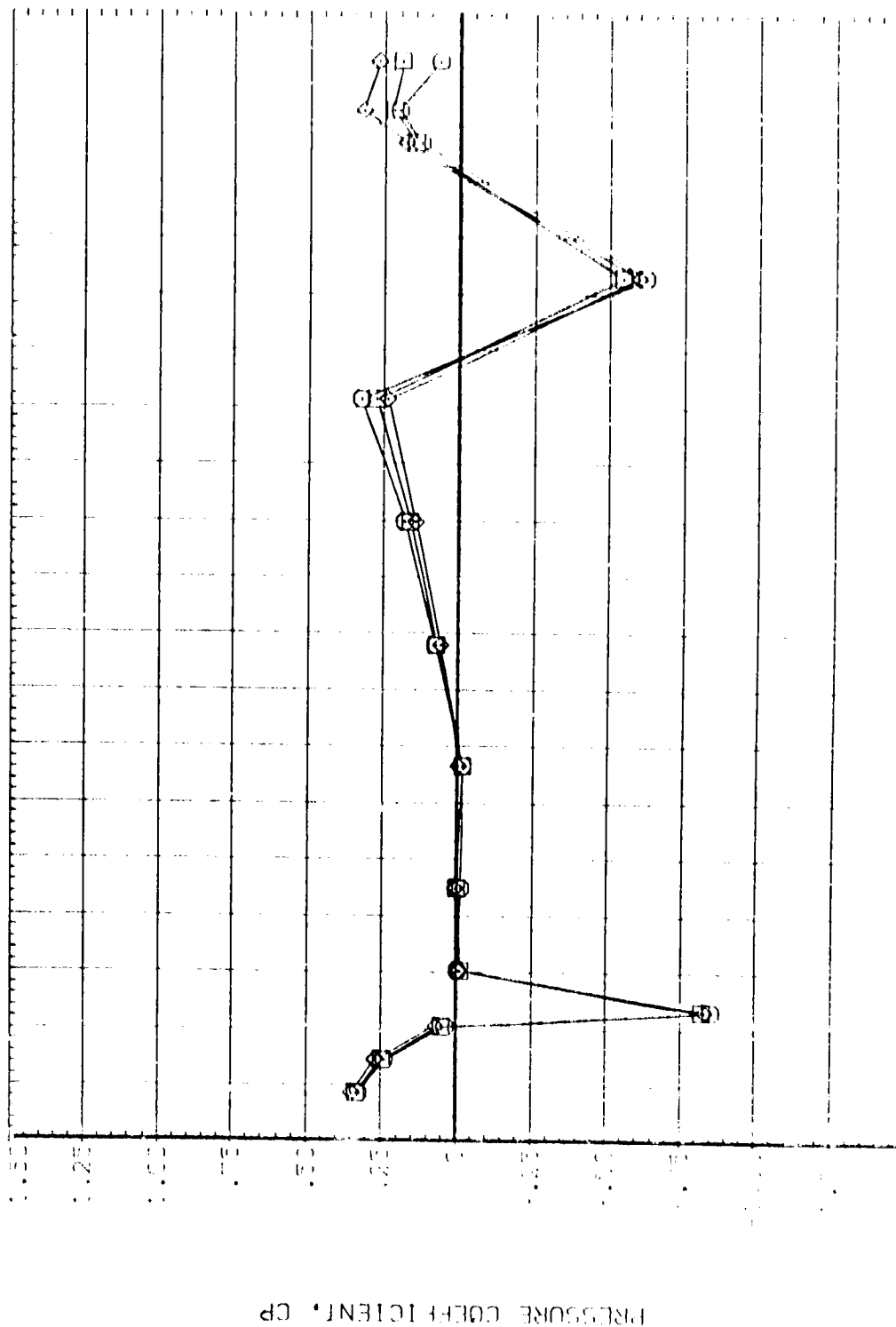
SYMBOL		REFERENCE DATA		PARAMETRIC VALUES	
ALPHA	MACH	SPREF	SO.IN.	BETA	CONF.13
200.000	8.000	LRREF	5.313	DELTAZ	1.40
202.500	3.500	SRREF	5.313	X-SRB	1.000
3.5.000		YMRP	2.549		999.90
		ZMRP	.972		
			.000		



LONGITUDINAL DISTANCE FROM SRM NOSE, X/LS
 PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER TO S3/2 S3/2 03 U5

WFO 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82905)

S-NO	T-NO	MACH	REF DATA	SQ. IN.	ALPHA	DYNAMIC VALUES		
						1000	1000	1000
1	1	1.000	SPREF	6.198	DELTA Z	1.000	1.000	1.000
2	2	1.000	LPREF	5.313	DELTA Z	1.000	1.000	1.000
3	3	1.000	SPREF	5.313	DELTA Z	1.000	1.000	1.000
4	4	1.000	MPREF	2.549	DELTA Z	1.000	1.000	1.000
5	5	1.000	MPREF	1.972	DELTA Z	1.000	1.000	1.000
6	6	1.000	MPREF	1.000	DELTA Z	1.000	1.000	1.000

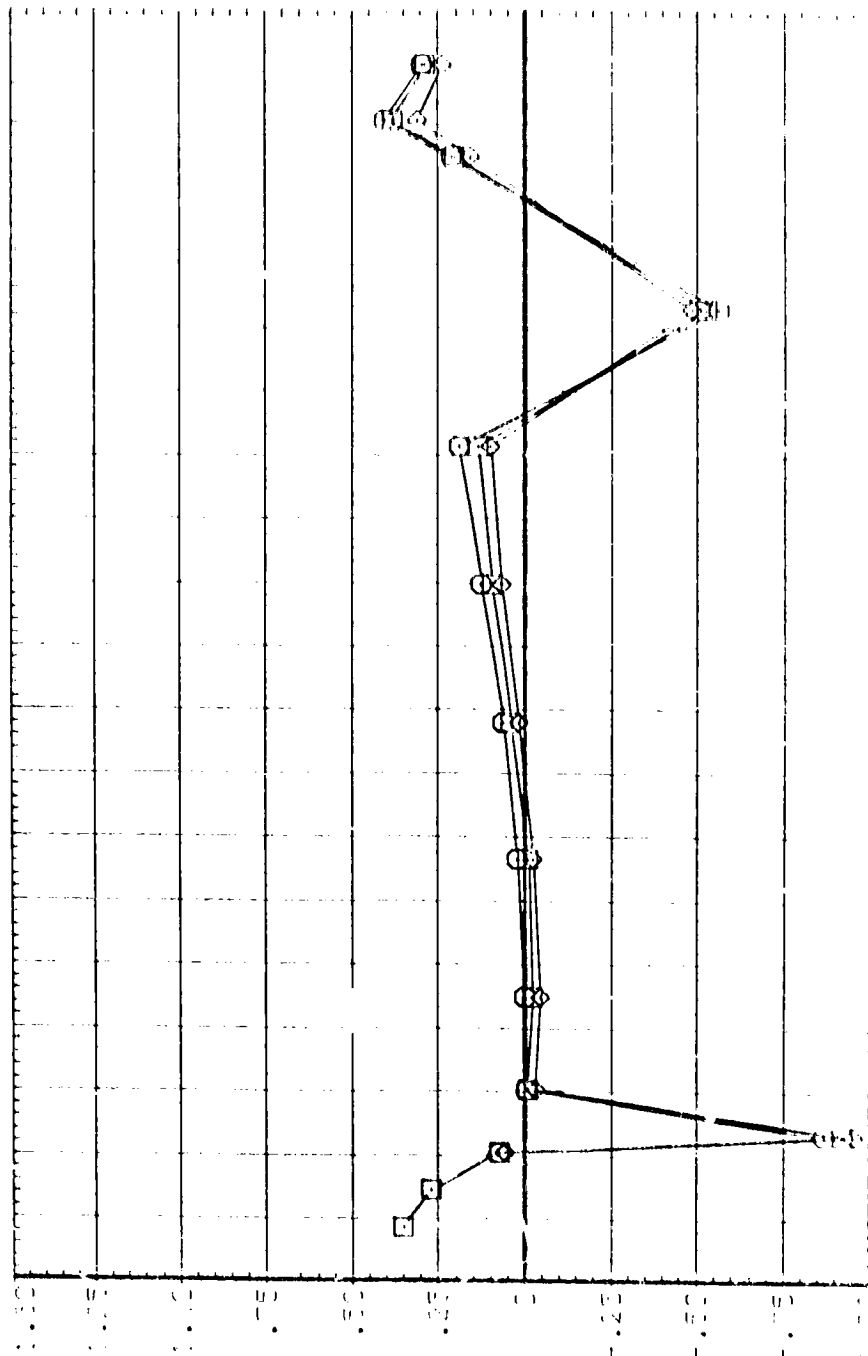


LONGITUDINAL DISTANCE FROM SRM NOSE, X

SRM BOOSTER T9 S3/2 S3/2 03 U5

USFC 567(1A32F) T9 S3/2 S2/2 00 US SRM BOOSTER (482908)

REFERENCE DATA		SIGNATURE VALUES	
SPR	6.108	ALPHA	1.000
LOG	5.313	DELTA	1.000
BR	5.313	DELTA	1.000
KW	2.548	DELTA	1.000
KW	1.972	DELTA	1.000
ZW	1.000	DELTA	1.000



USFC 567(1A32F) T9 S3/2 S2/2 00 US SRM BOOSTER (482908)

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

PHI 135.000
157.500
180.000

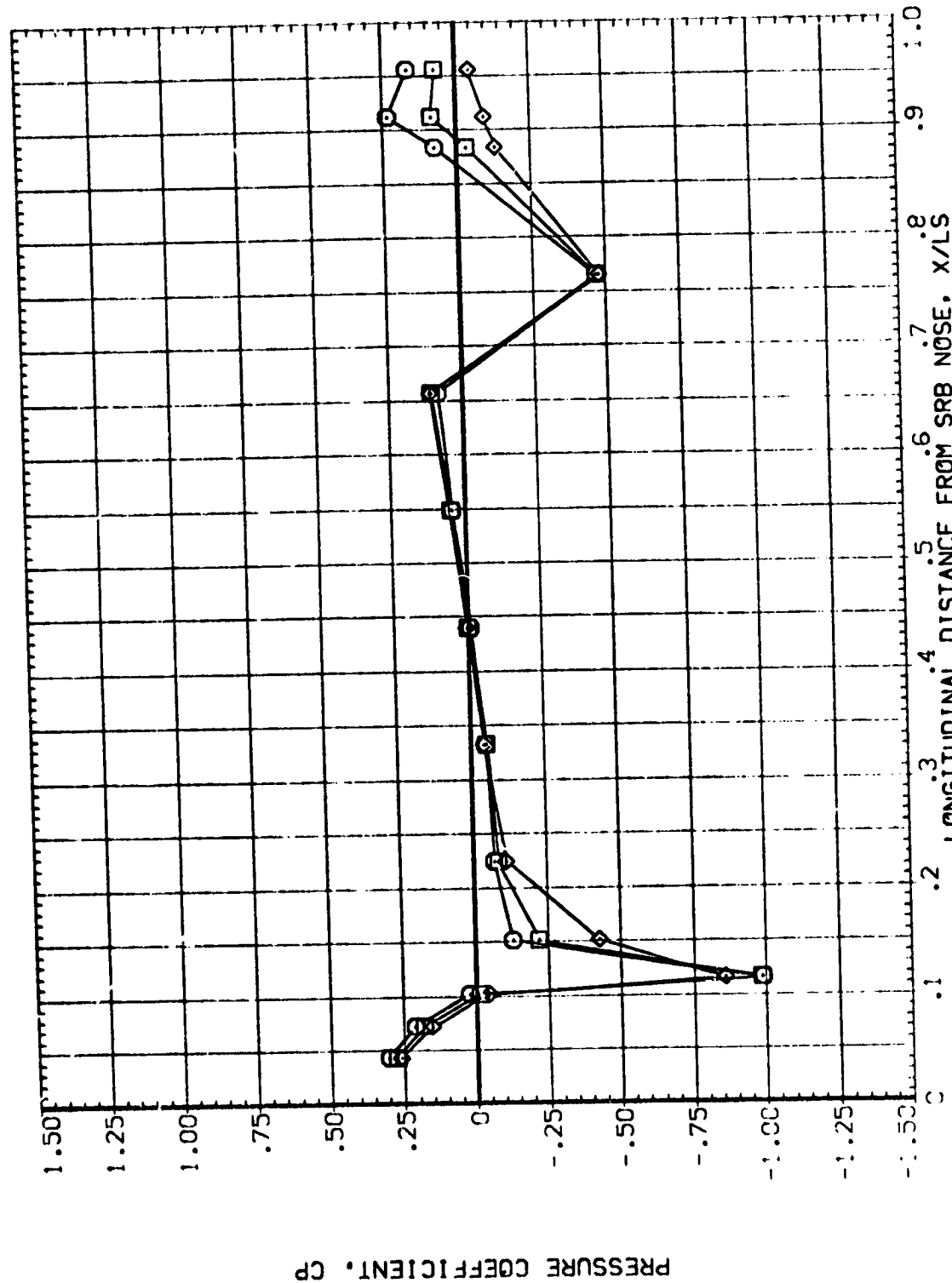
BETA -8.000
MACH .900

REFERENCE DATA
SREF 6.198
LREF 5.313
BREF 5.313
XMRP 2.549
YMRP .972
ZMRP .000

SR IN.
IN.
IN.
IN.
IN.

ALPHA
DELTA
X-S

PARAMETRIC VALUES
CINFTG 90.000
RUDDER .000
ORBITC .500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

SYMBOL

iii

BETA

MACH

REFERENCE DATA
F 198

25

ALPHA

PARAMETRIC VALUES

000.06

00

202.500

-8.000

005.

1387

3139

22

22

22

22

22

22

22

22

22

22

DELTA Z

DELTA Z

RUDDER

RUDDER

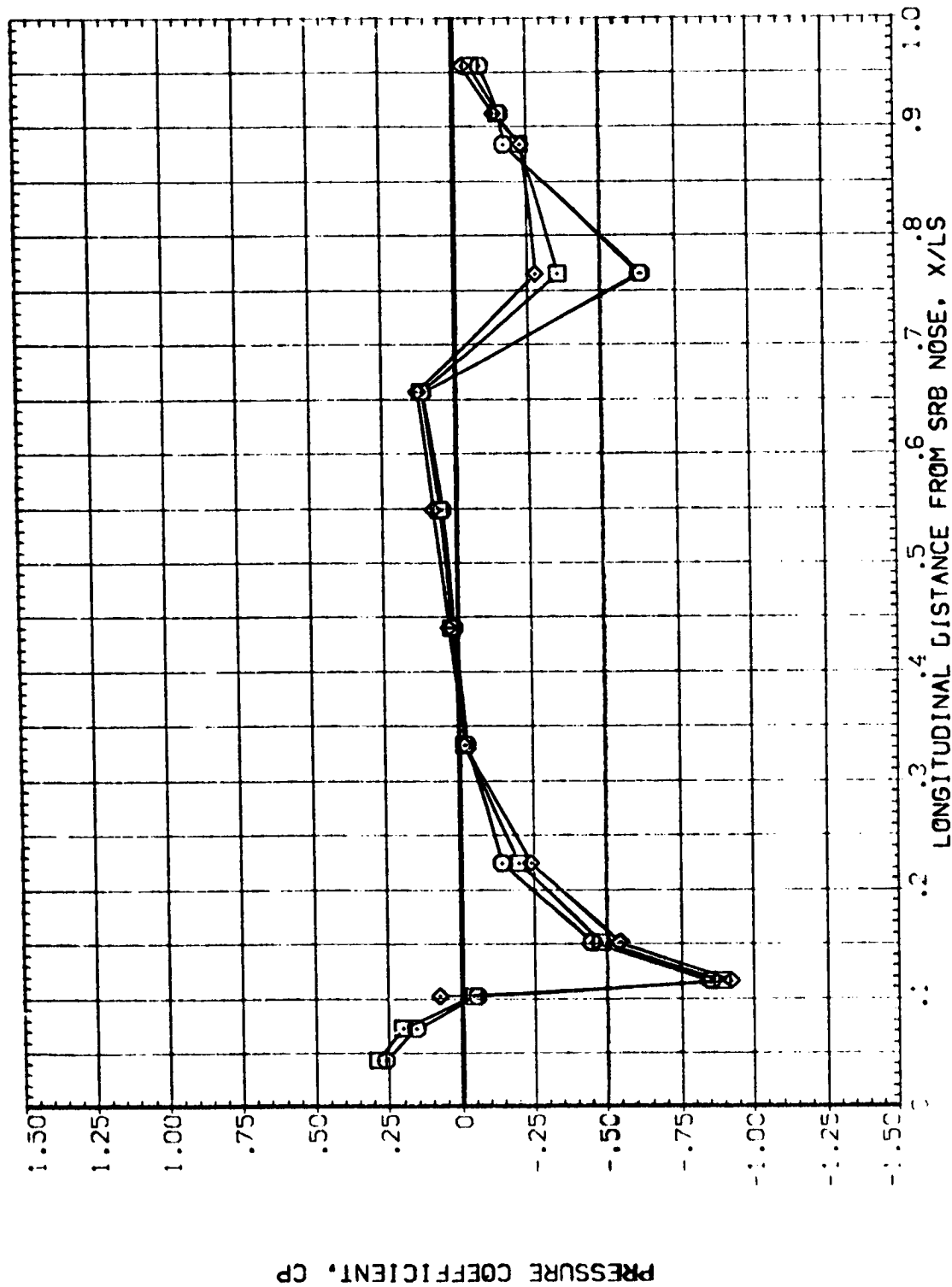
RUDDER

RUDDER

888

888

888

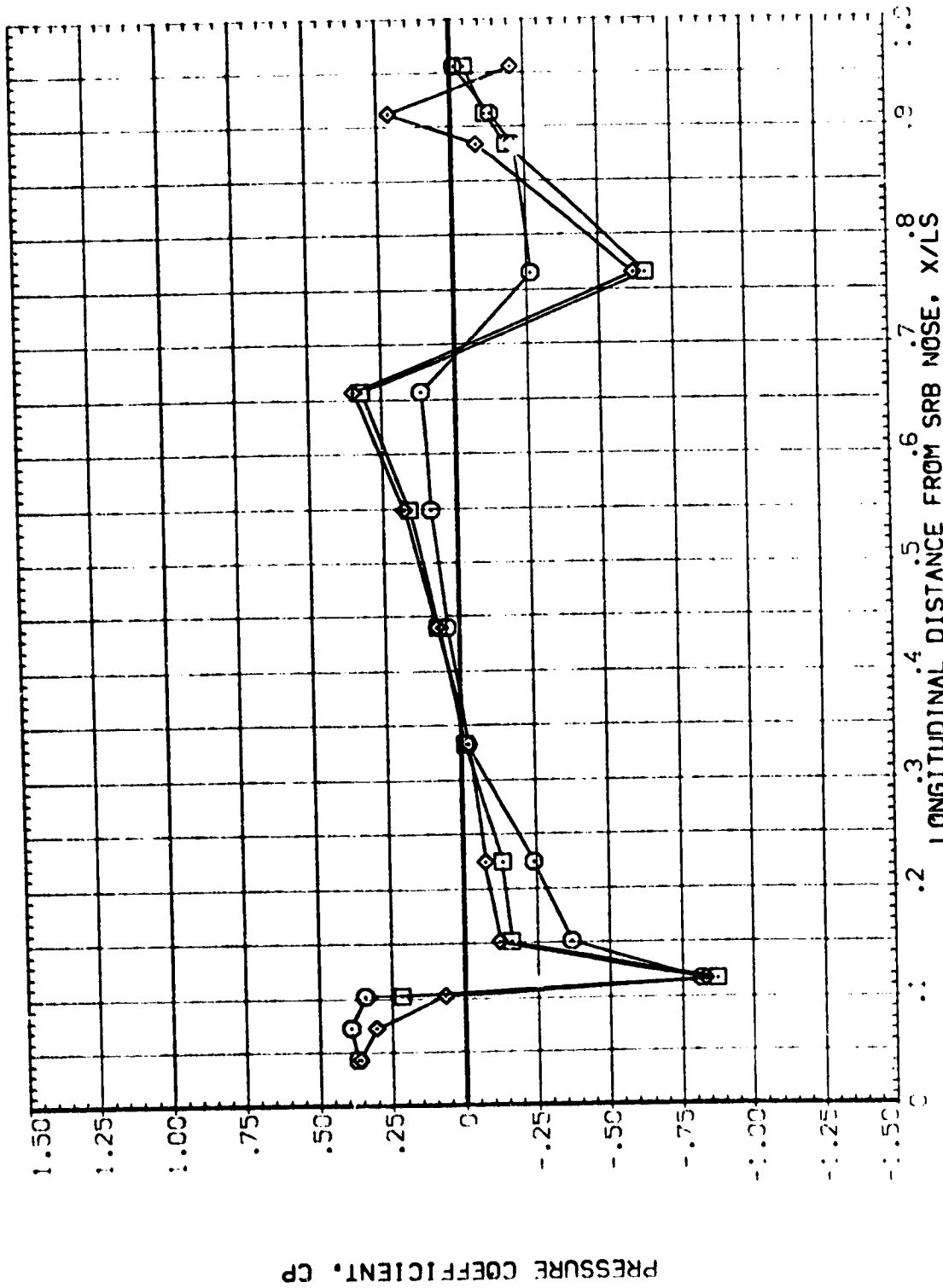


PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

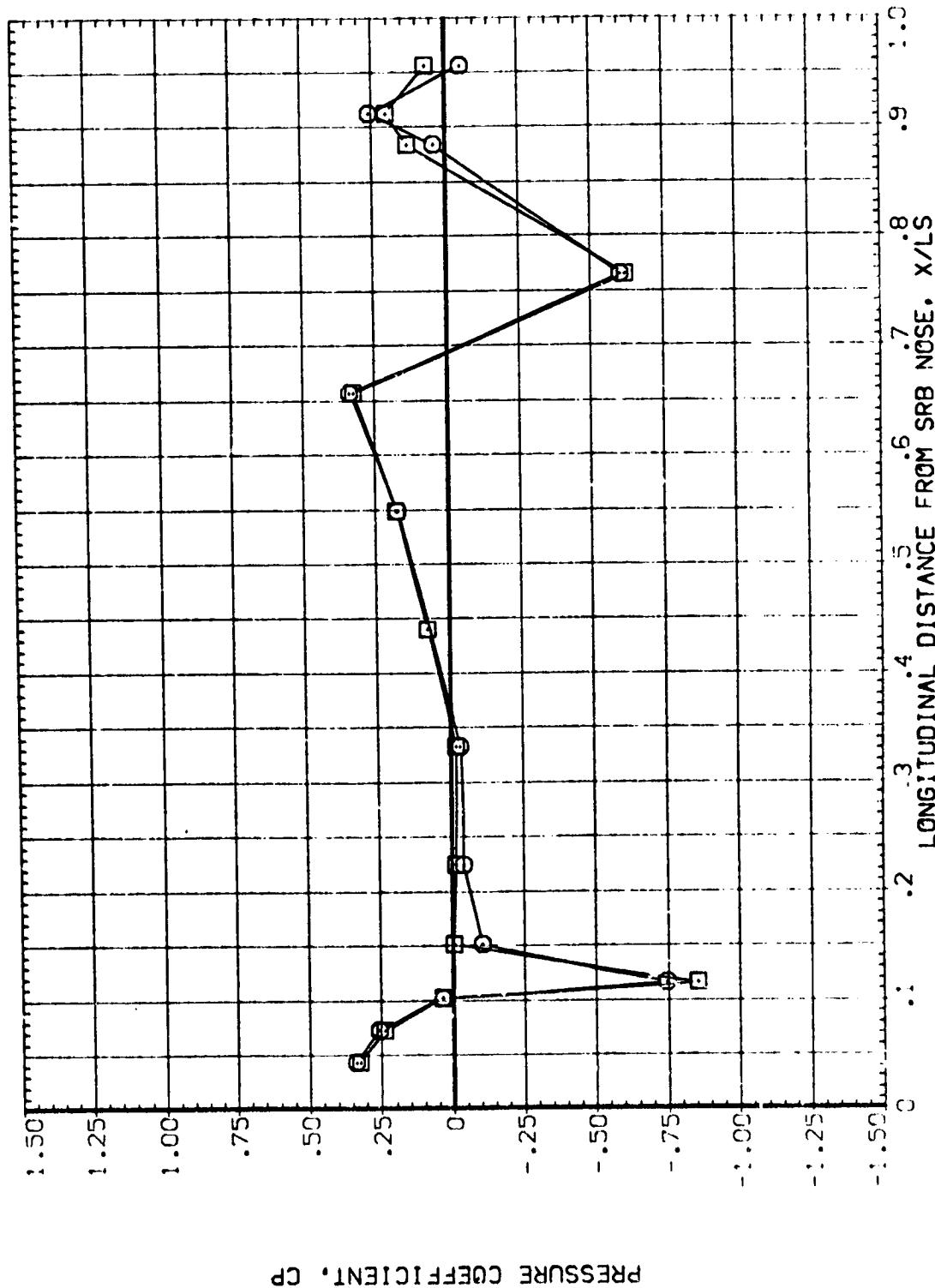
MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	6.198	ALPHA	90.000
□	270.000	-8.000	.900	LREF	5.313	DELTA Z	.000
◇	292.500			BREF	5.313	RUDER	.000
	315.000			X-MP	2.549	X-SRB	.000
				Y-MP	.972	DRG INC	.500
				Z-MP	.000		



MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

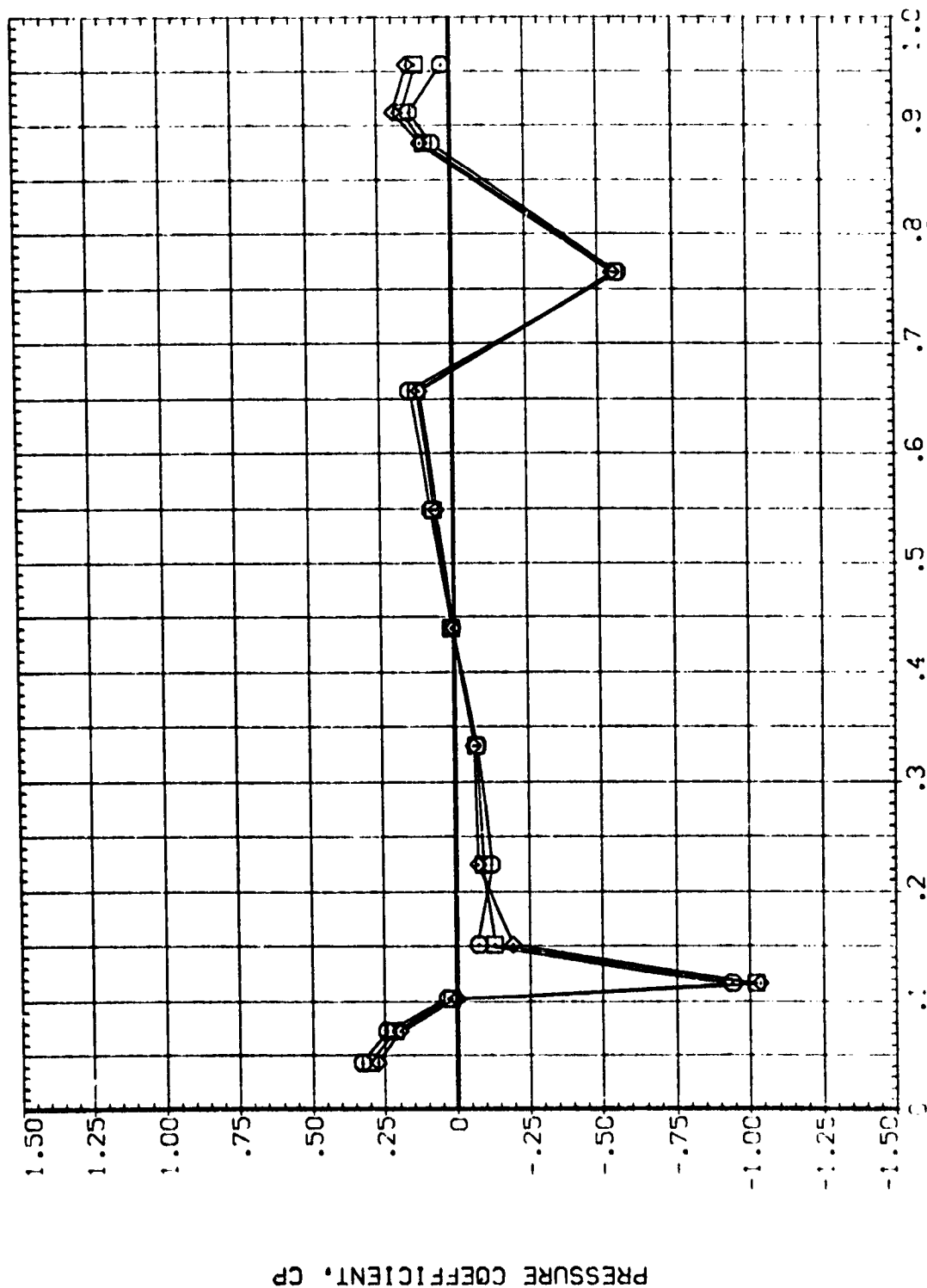
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SC.IN.	ALPHA	DELTAZ	X-SRB
○	337.500	-8.000	.900	6.198	5.313	5.313	2.545	IN.	.000	.140	.000
□	360.000							IN.	.000	.000	.500
								IN.			
								IN.			
								IN.			
								IN.			
								IN.			
								IN.			
								IN.			
								IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

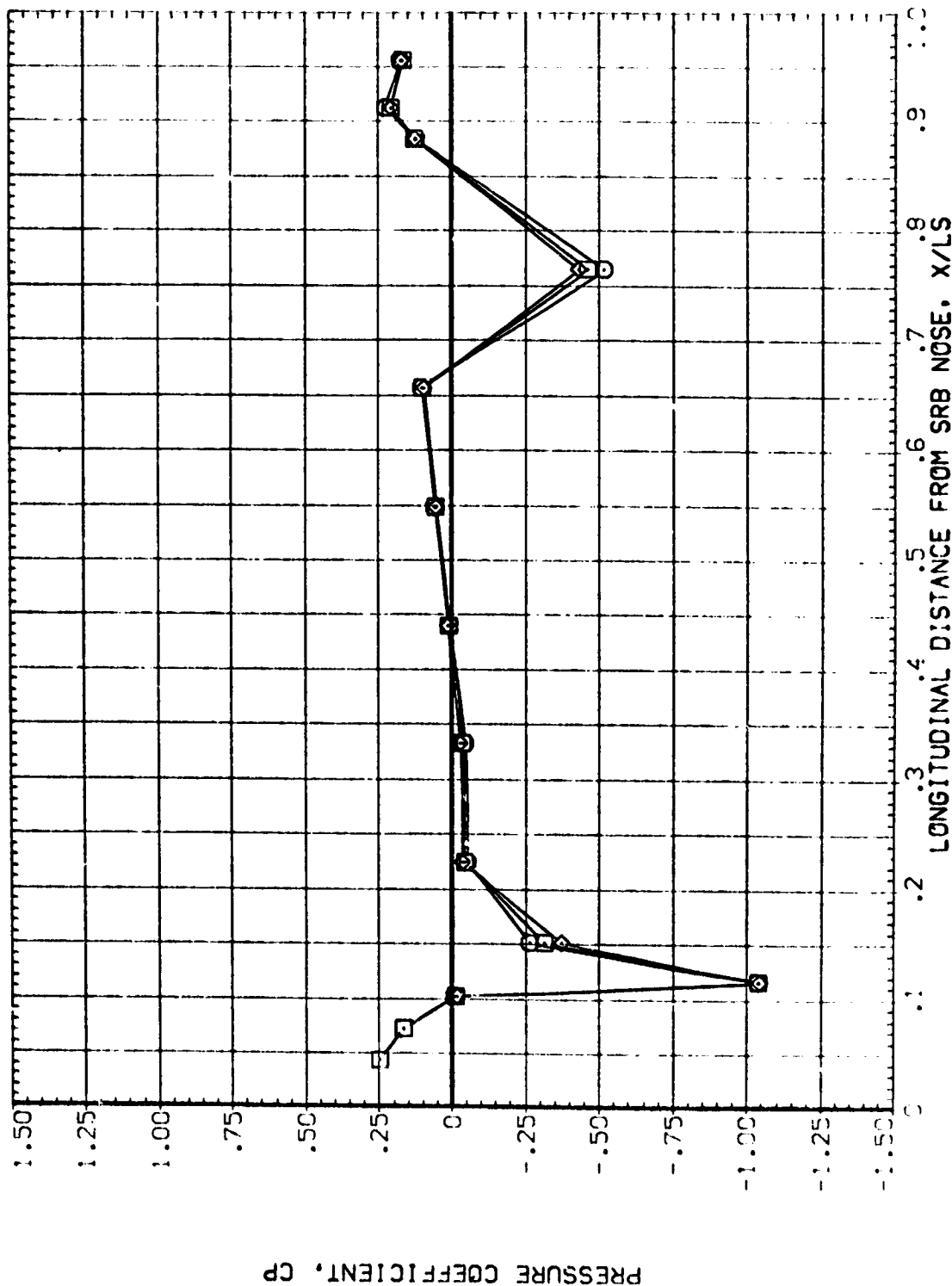
SYMBOL	PHI	BETA	MACH	REFERENCE DATA							PARAMETRIC VALUES									
				SREF	LREF	BREF	X*PRP	Y*PRP	Z*PRP	SO. IN.	IN.	DELTA Z	ALPHA	CONFIG	RUDDER	ORB. NC				
○	.000	.000	.900	6.198	5.313	5.313	2.549	.972	.000	50. IN.	IN.	IN.	IN.	IN.	.000	.140	.000	.000	.000	.500
□	.000	.000	.900	6.198	5.313	5.313	2.549	.972	.000	50. IN.	IN.	IN.	IN.	IN.	.000	.140	.000	.000	.000	.500
◇	.000	.000	.900	6.198	5.313	5.313	2.549	.972	.000	50. IN.	IN.	IN.	IN.	IN.	.000	.140	.000	.000	.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

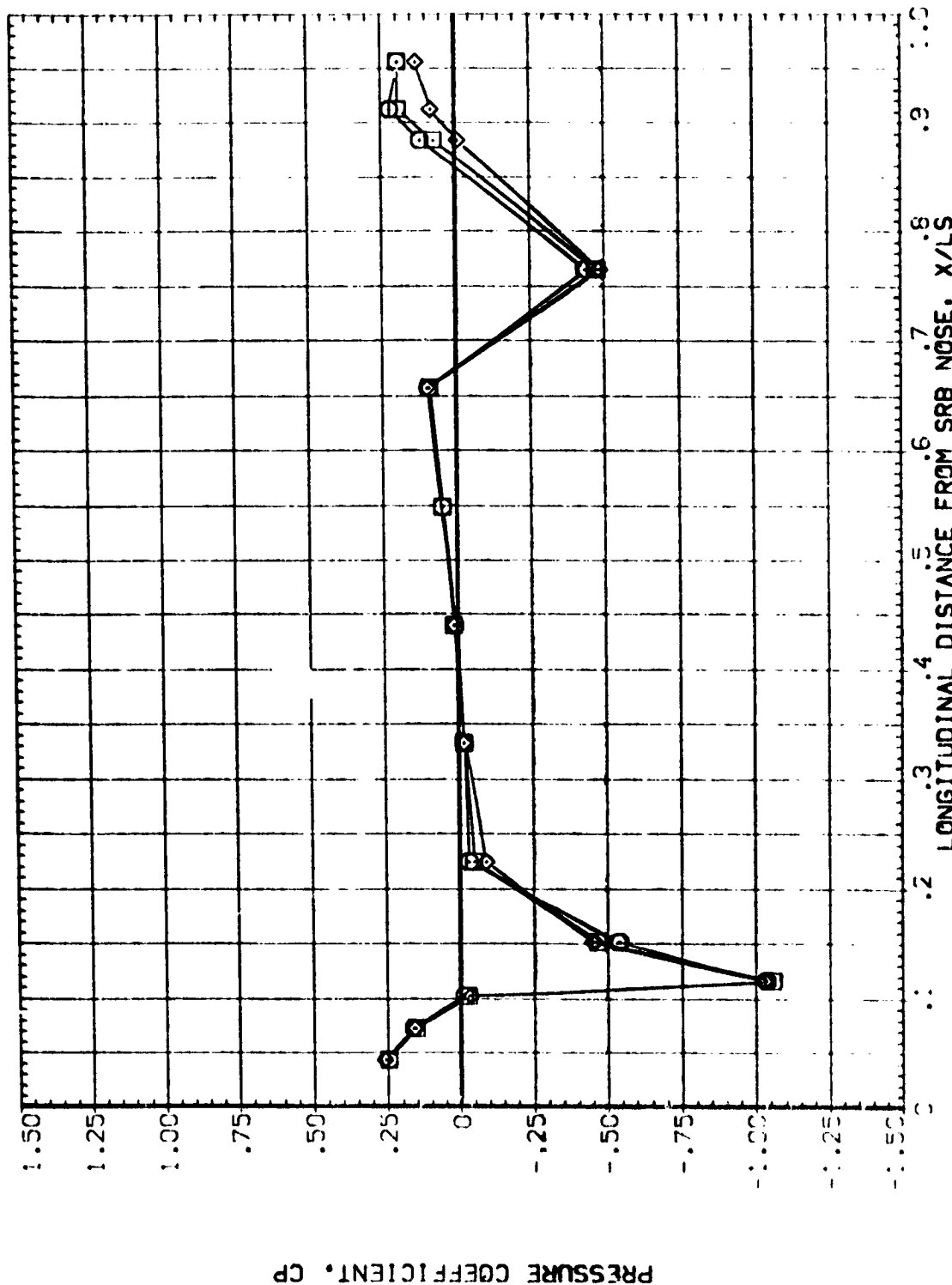
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	ZMRP	ALPHA	DELTA Z	X-SRB
○	67.500	.000	.900	6.198	5.313	5.313	2.549	.972	.000	.140	.000
□	90.000	.000	.900	6.198	5.313	5.313	2.549	.972	.000	.140	.000
◇	112.500	.000	.900	6.198	5.313	5.313	2.549	.972	.000	.140	.000



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

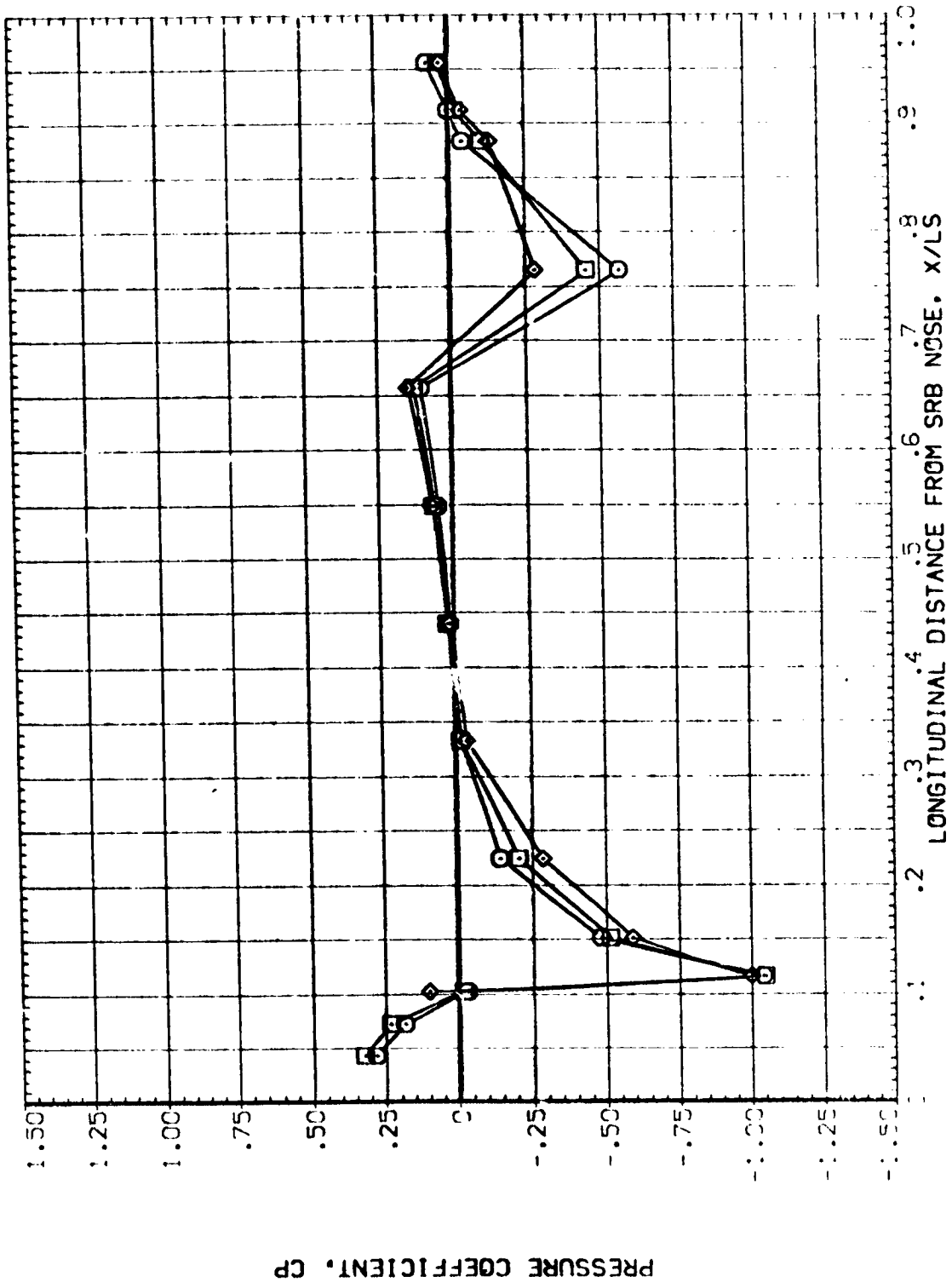
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	6.198	ALPHA	CONFIG
	135.000	.000	.900	LREF	5.313	DELTAZ	.000
	157.500			BREF	5.313	RUDDER	.000
	180.000			XPRP	2.549	X-SRB	.000
				YPRP	.972	ORBIT	.500
				ZPRP	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

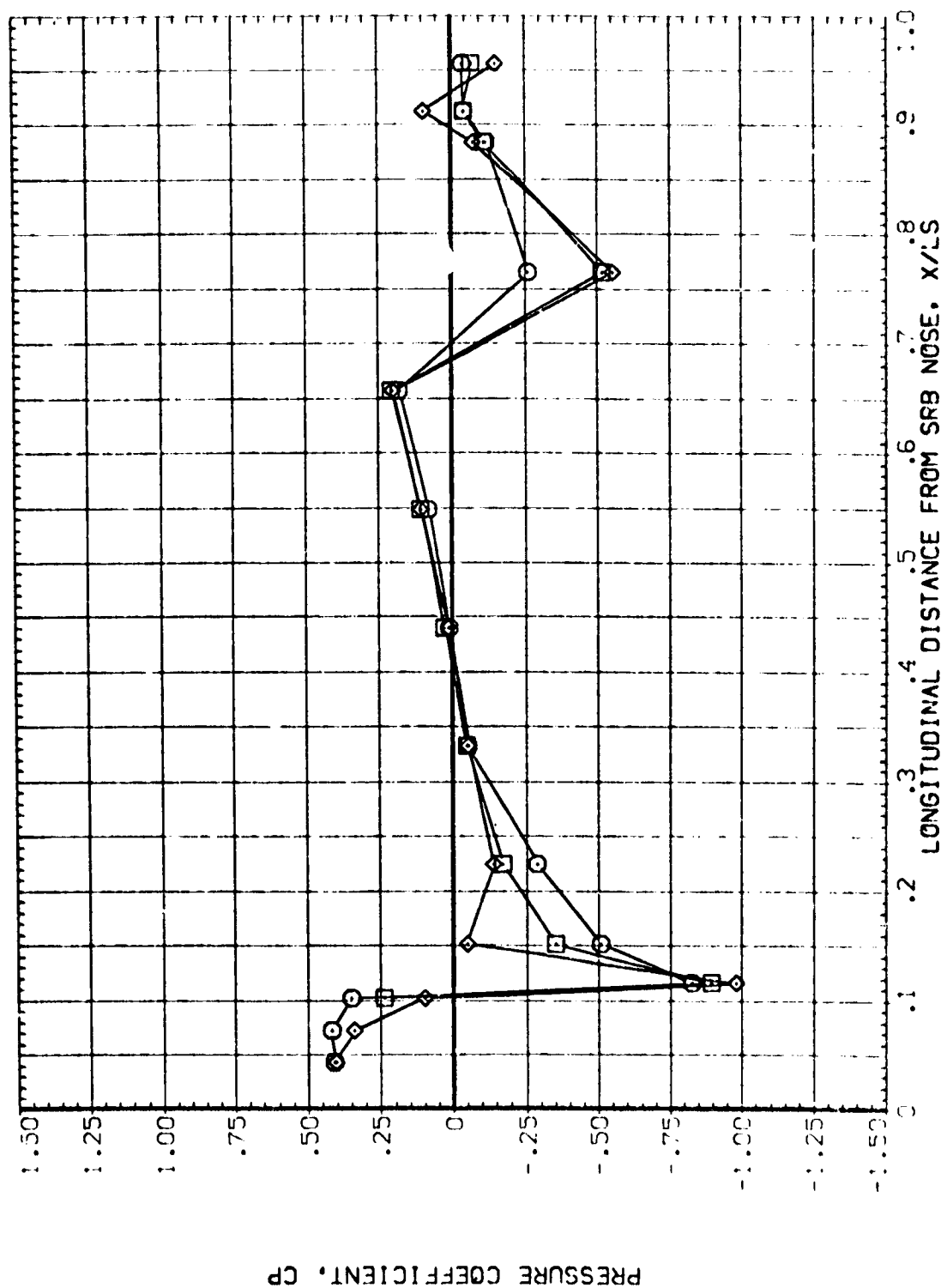
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	SG IN.	ALPHA	CONFIG	90.000
○	202.500	.000	.900	6.198	5.313	5.313	2.549	IN.	DELTA Z	.000	.000
□	225.000							IN.	X-SRB	.000	.500
◇	247.500							IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

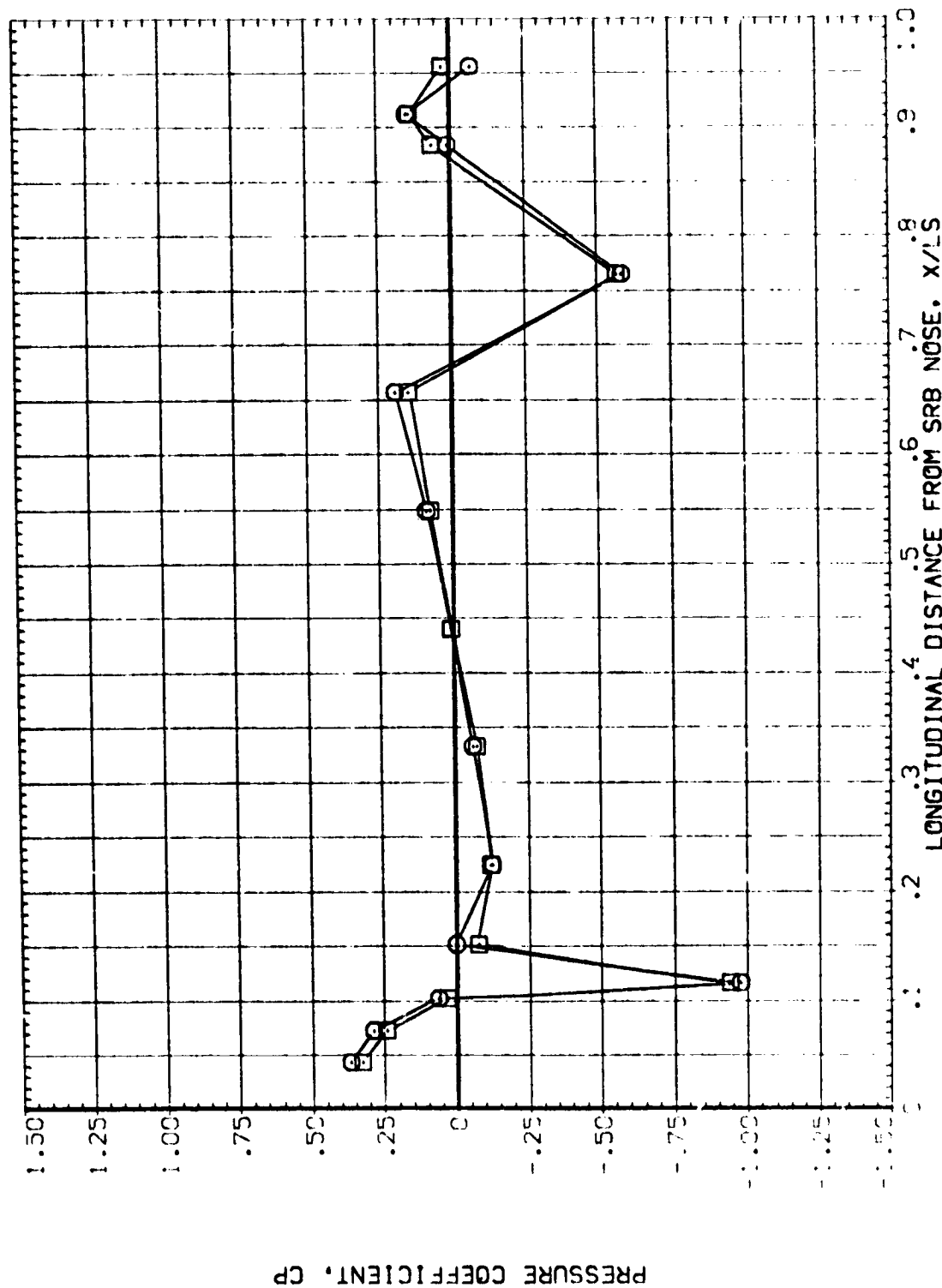
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SD, IN.	ALPHA	CO-FIG	90.070
○	270.000	.000	.900	6.198	5.313	5.313	2.549	IN.	DELTA Z	.140	.000
□	292.500						.972	IN.	X-SRB	.000	.500
◇	315.000						.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

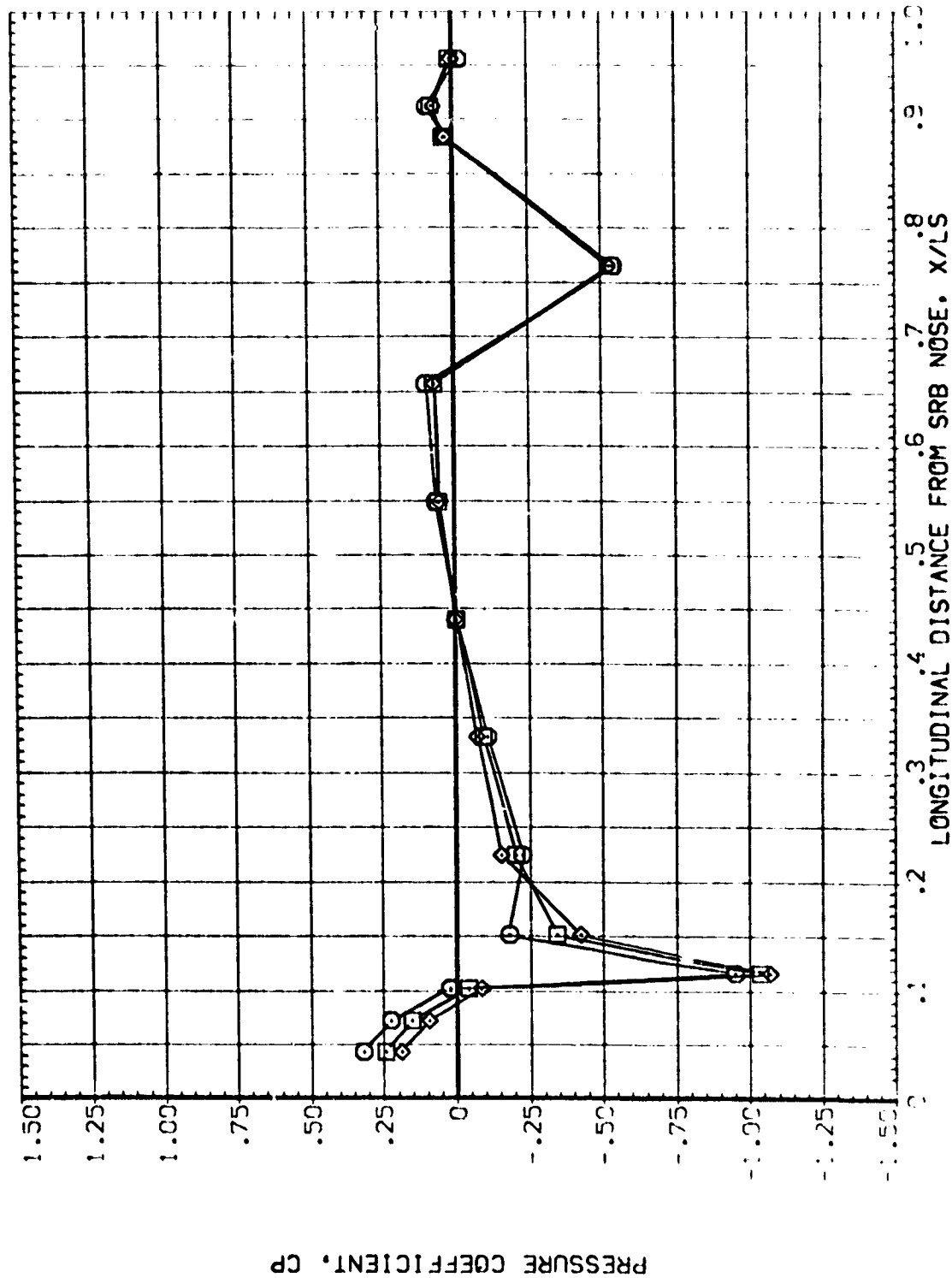
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		ALPHA	PARAMETRIC VALUES		
				SREF	6.198		.000	CONFIG	90.000
	337.500	.000	.900	LREF	5.313	DELTA Z	.000	RUDDER	.000
	350.000			BREF	5.213	X-SRB	.000	ORBITAL	.500
				XMRP	2.549				
				YMRP	.972				
				ZMRP	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

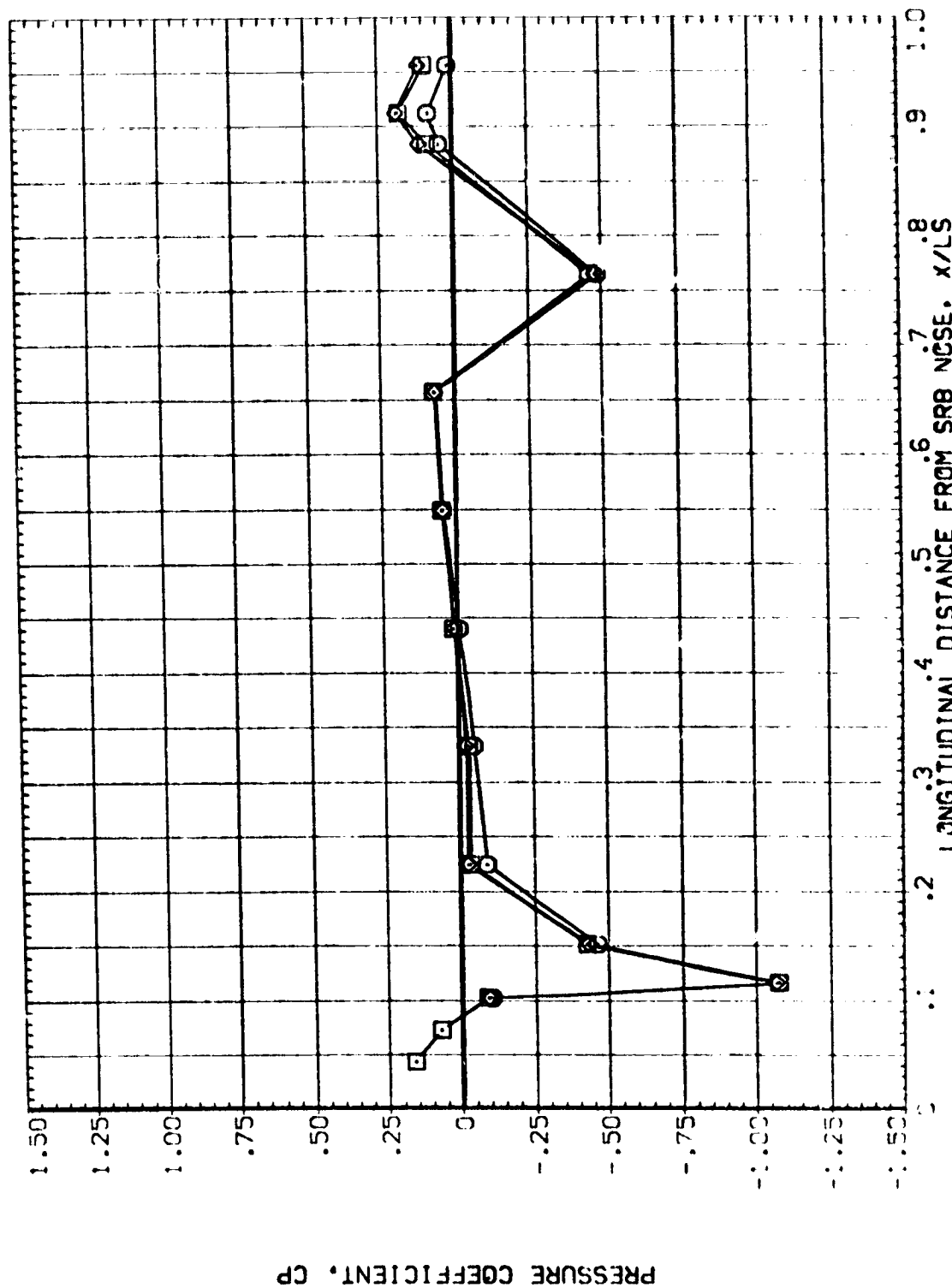
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	50. IN.	ALPHA	90.000
○	.000	8.000	.900	LREF	5.313	IN.	DELTA Z	.000
□	22.500			BREF	5.313	IN.	X-SRB	.000
◇	45.000			X-RP	2.548	IN.	SRB:NC	.500
				Y-RP	.972	IN.		
				Z-RP	.000	IN.		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

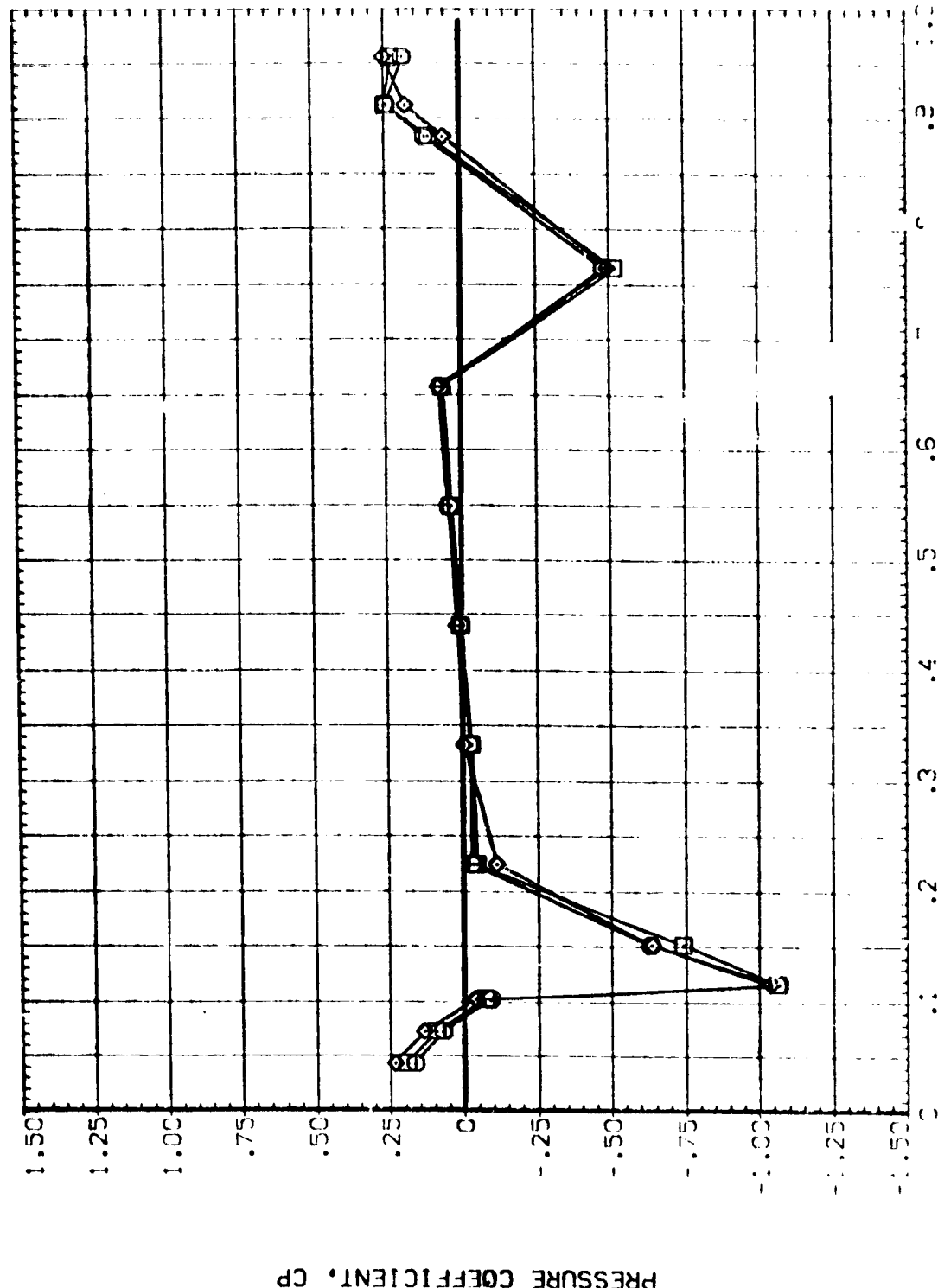
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	ALPHA	.000	90.000
□	67.500	8.000	.900	LREF	DELTAZ	.140	.000
○	90.000			BREF	X-SRB	.000	.500
◇	112.500			XMRP			
				ZMRP			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

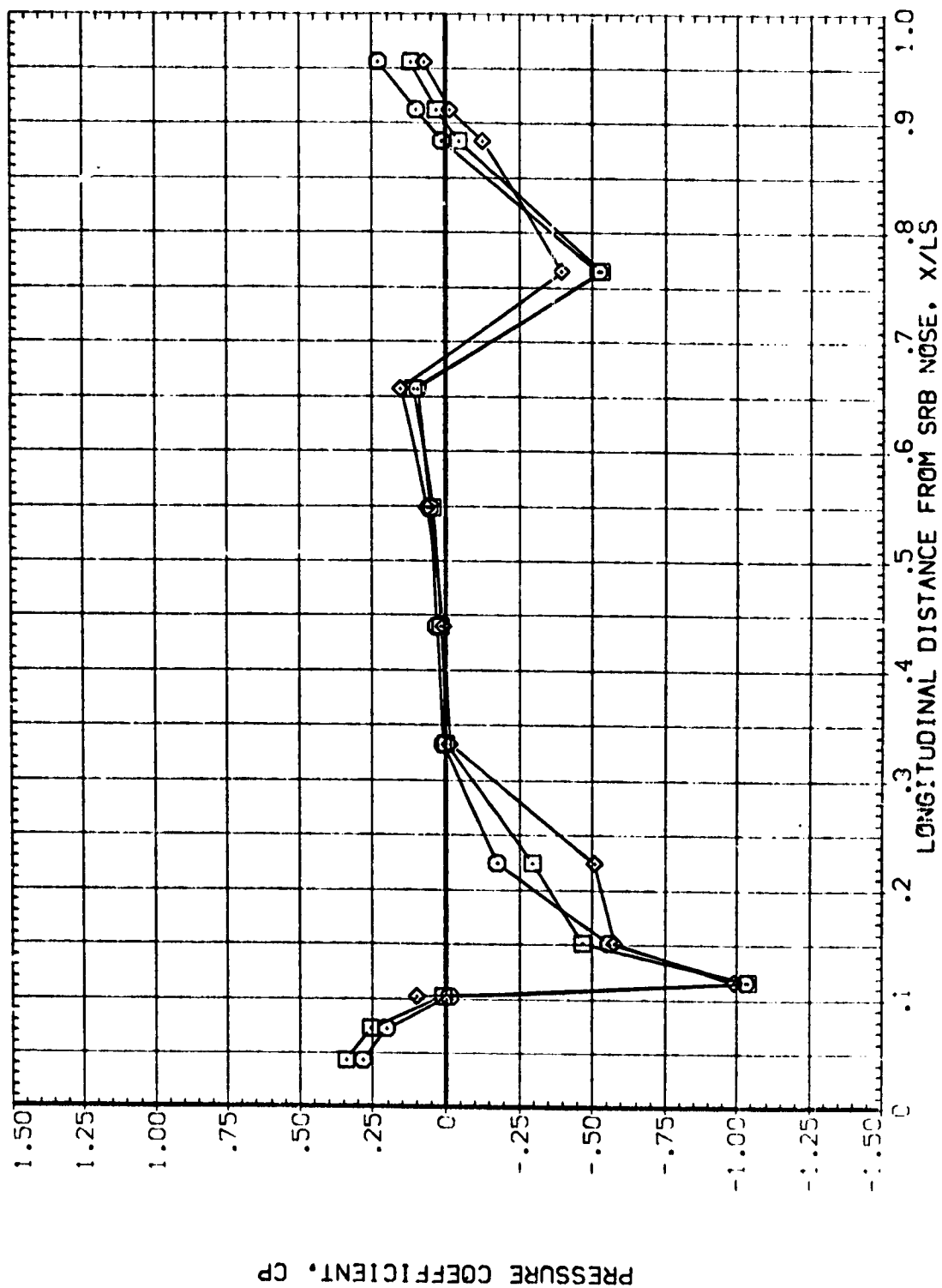
SYMBOL	PAI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LRREF	BREF	XMRP	SO. IN.	ALPHA	CONFIS	
□	135.000	8.000	.900	6.198	5.313	5.313	2.549	IN.	DELTAZ	.000	90.000
◇	157.500							IN.	X-SRB	.140	.000
◇	180.000							IN.		.000	.500
								IN.			
								IN.			
								IN.			
								IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 '5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

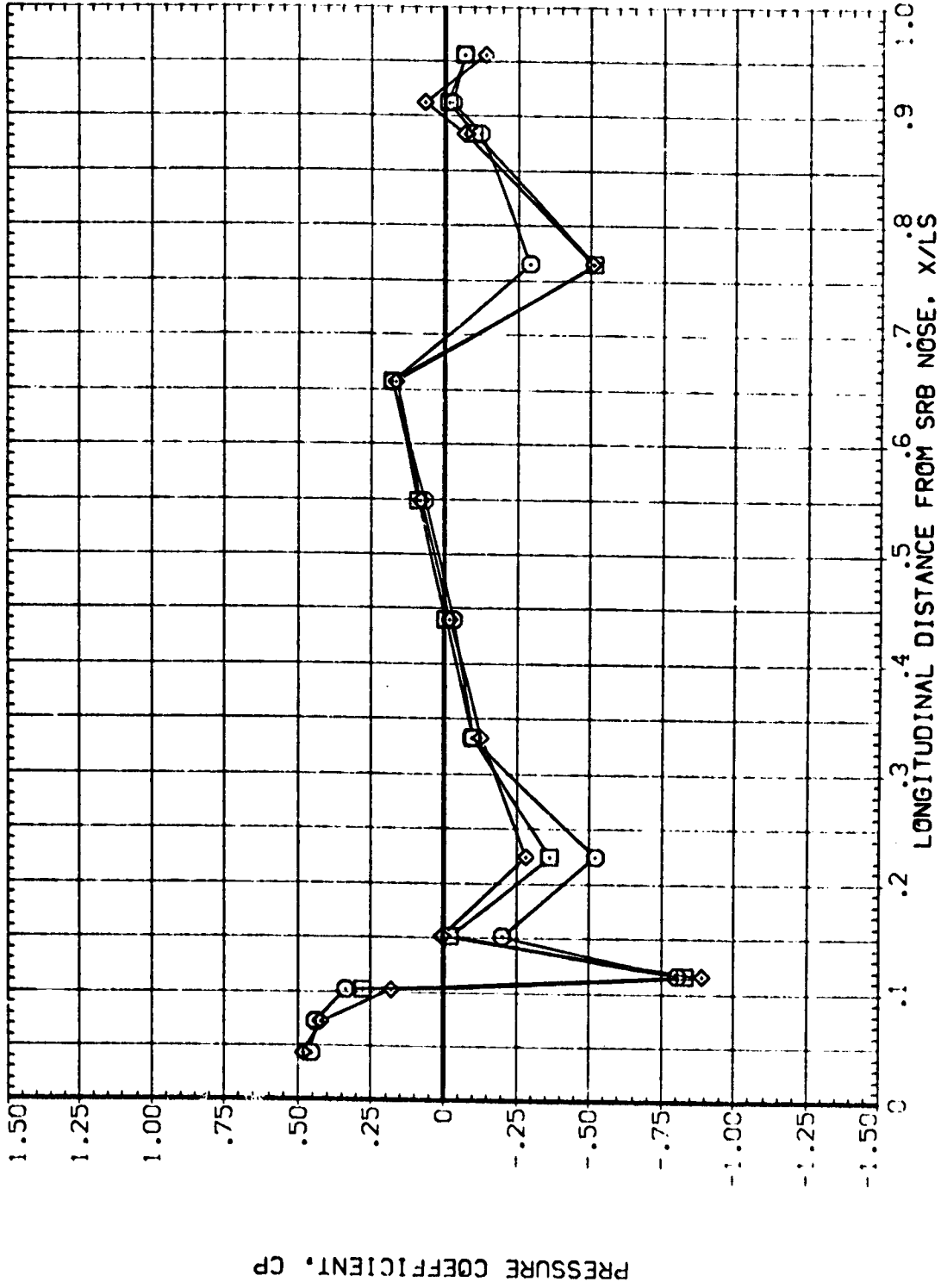
SYMBOL	PHI	BETA	MACH	REFERENCE DATA			PARAMETRIC VALUES		
				SREF	LREF	BREF	ALPHA	CONF IG	
○	202.500	8.000	.900	6.198	5.313	5.313	DELTA Z	.140	RUDER
□	225.000			2.549			X-SRB	.000	ORIGIN
◇	247.500			.972					
				.000					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

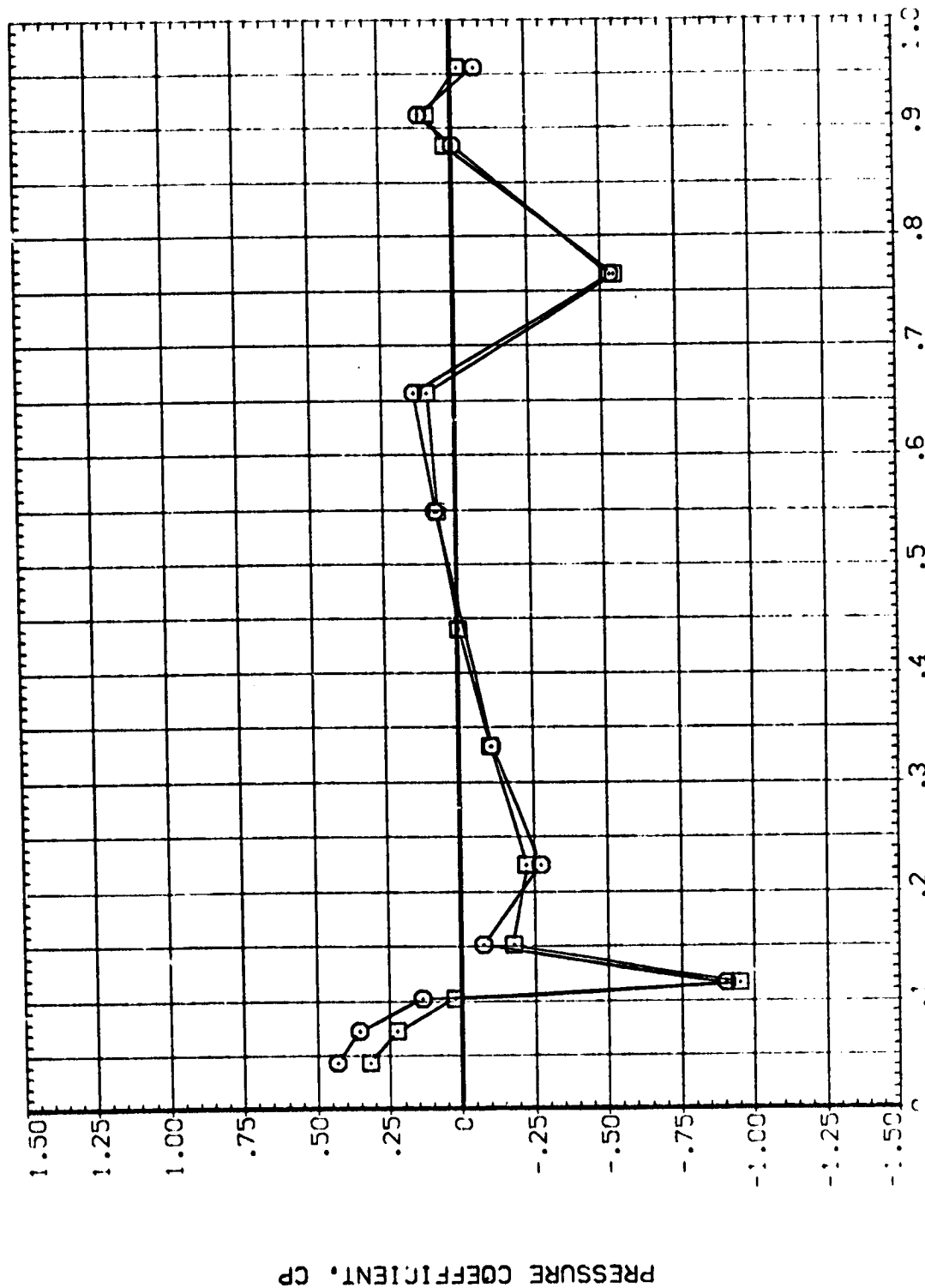
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	CONF IG
○	270.000	8.000	.900	6.190	5.313	5.313	2.549	.972	.000	DELTA Z	RUDDER
□	292.500									X-SRB	ORB INC
◇	.15.000										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

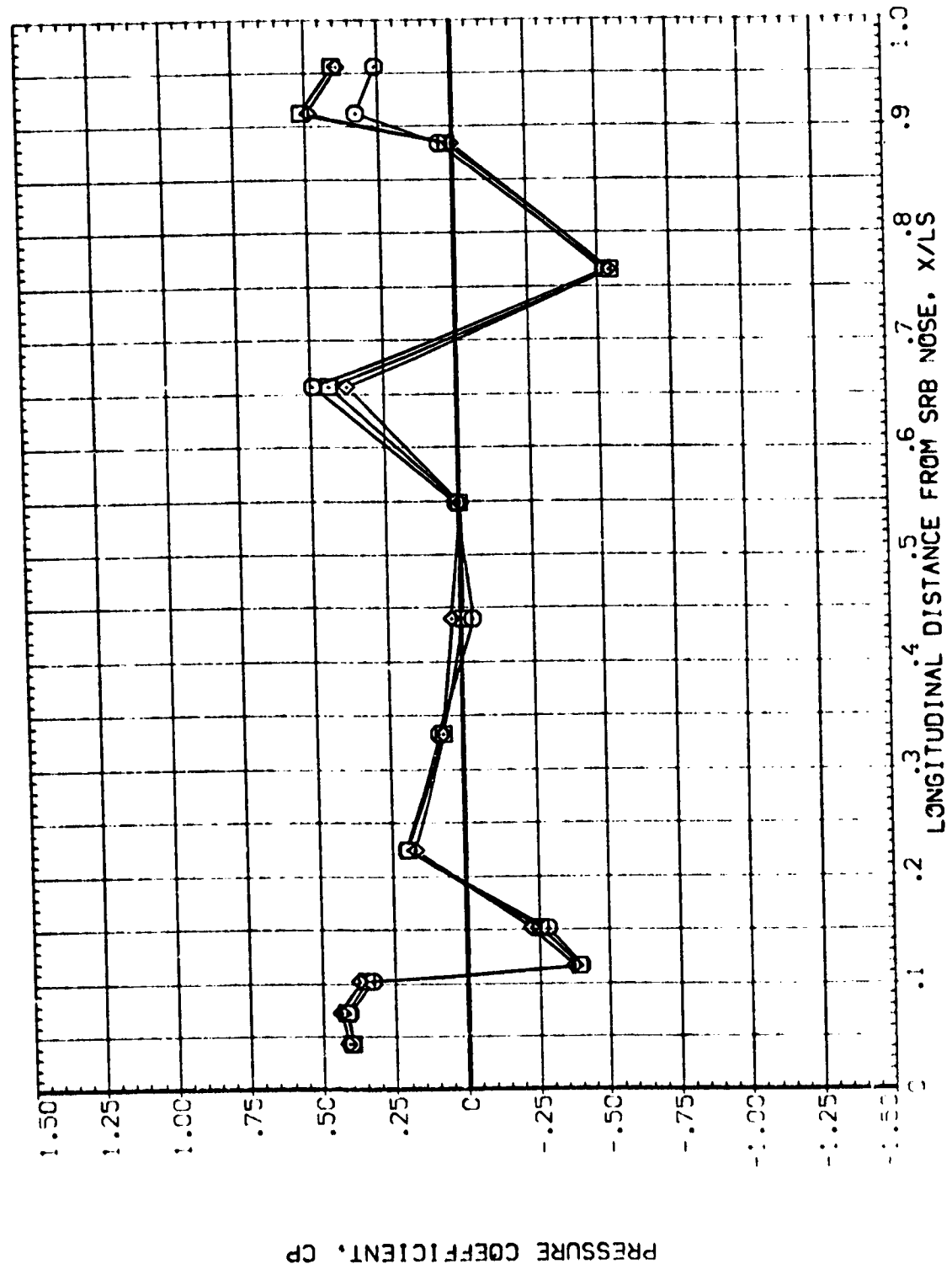
SYMBOL	PHI	BETA	MACH	REFERENCE DATA					PARAMETRIC VALUES			
				SREF	6.198	SO. IN.	ALPHA	CONFIG	DELTA Z	RJDDER	ORBINC	X-SRB
○	337.500	8.000	.900	LREF	5.313	IN.	.000	.140	.000	.000	.000	
□	360.000			BREF	5.313	IN.	.000	.000	.000	.000	.500	
				XMRP	2.549	IN.						
				YMRP	.972	IN.						
				ZMRP	.000	IN.						
											90.000	
											.000	
											.500	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S06)

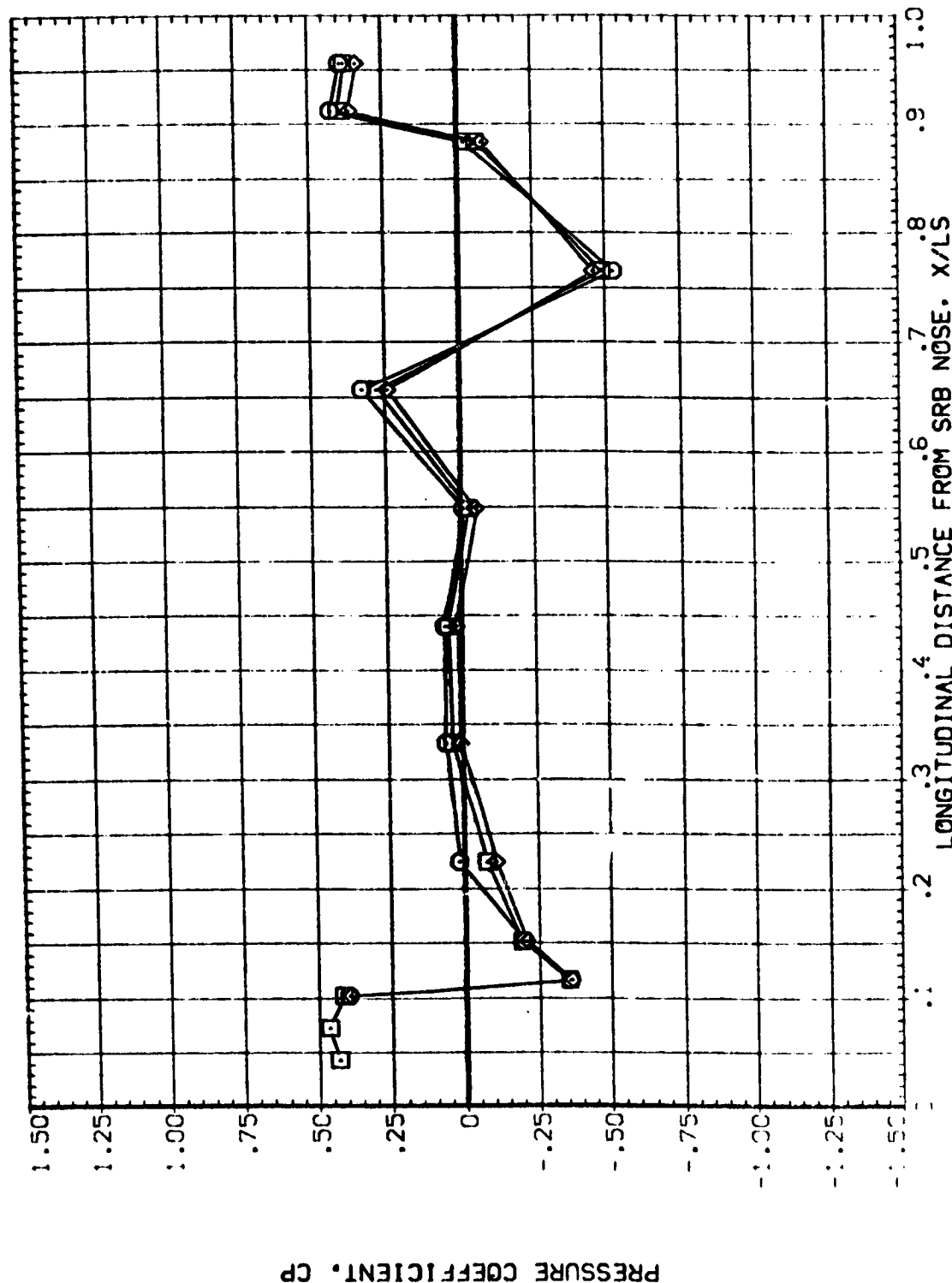
SYMBOL	DYN	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SO. IN.	ALPHA	CONF IG	
◇	.000	-8.000	1.250	5.198	5.313	5.313	2.549	IN.	DELTA Z	.000	90.000
□	22.500						.972	IN.	X-SRB	.140	.000
□	45.000						.000	IN.	ORBITAL	.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

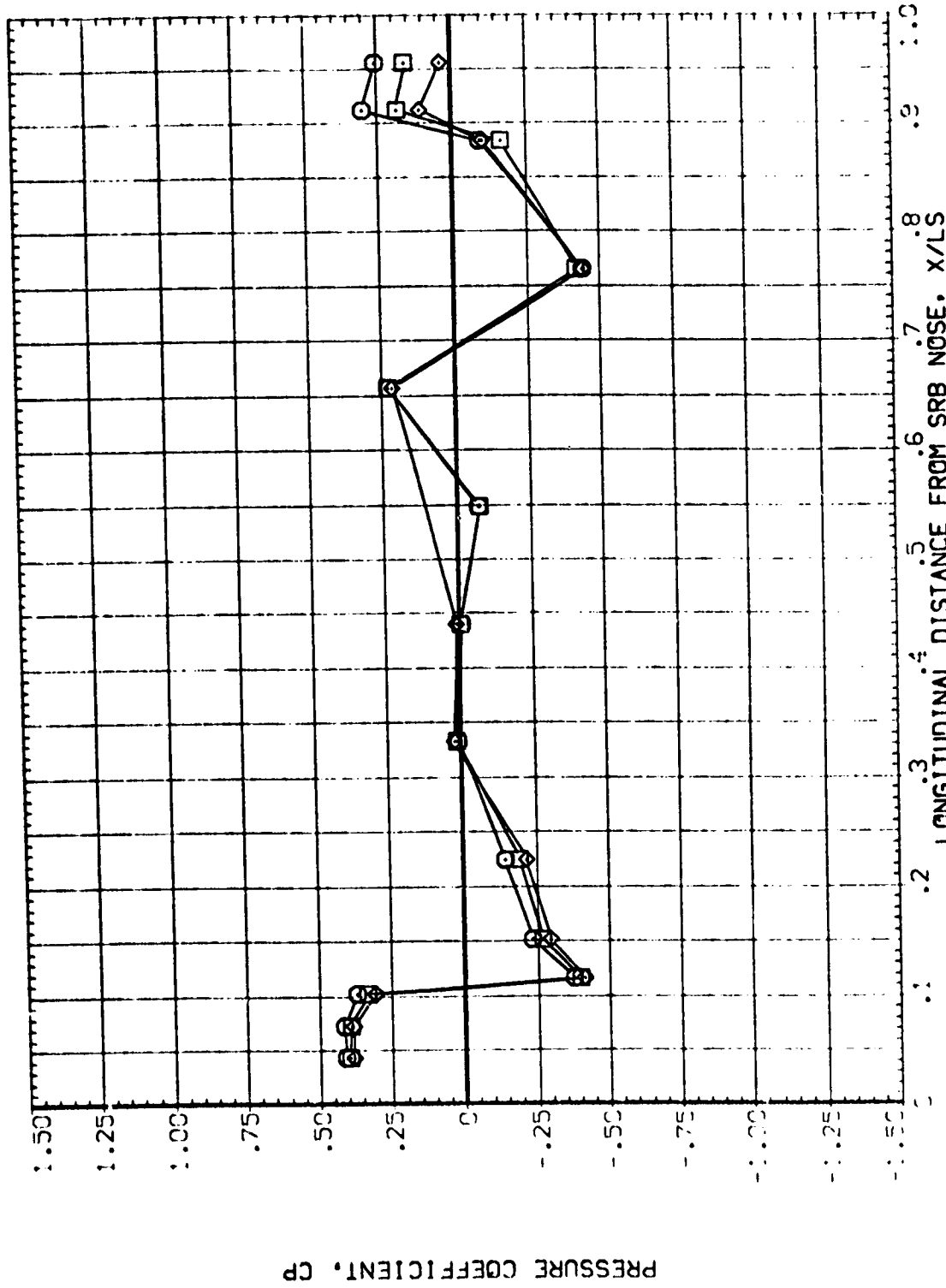
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	CONF IG	RUDDER	ORBIT NC
○	67.500	-8.000	1.250	6.198	5.313	5.313	2.549	SO. IN.	.000	.140	.000
□	90.000							IN.	.000	.000	.500
◇	112.500							IN.			
								IN.			
								IN.			
								IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

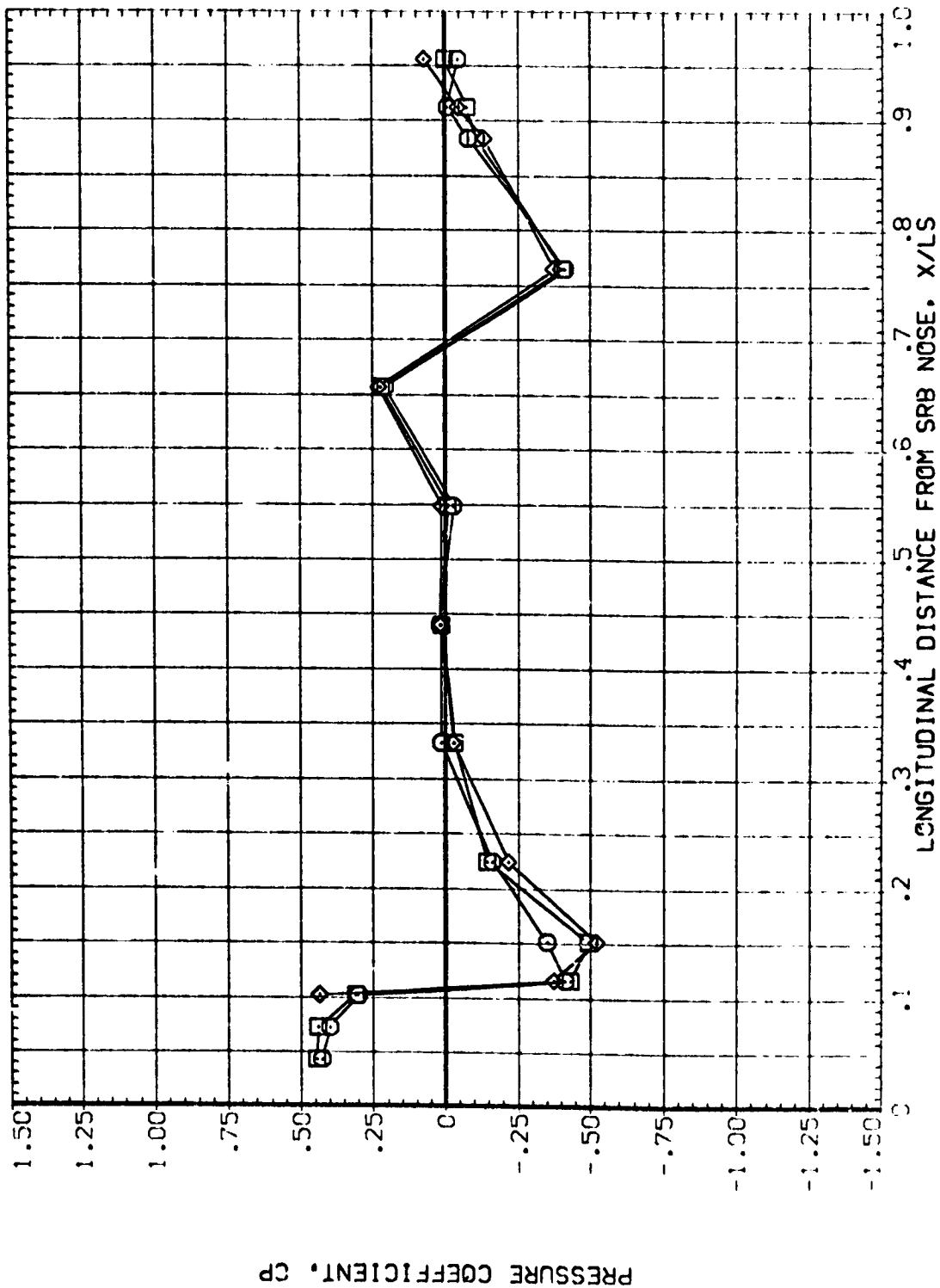
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	CONFIS	RUDDER	ORBITING
○	135.000	-8.000	1.250	6.198	5.313	5.313	2.549	DELTAZ	.000	.140	.000
□	157.500							X-SRB	.000	.000	.500
◇	180.000										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

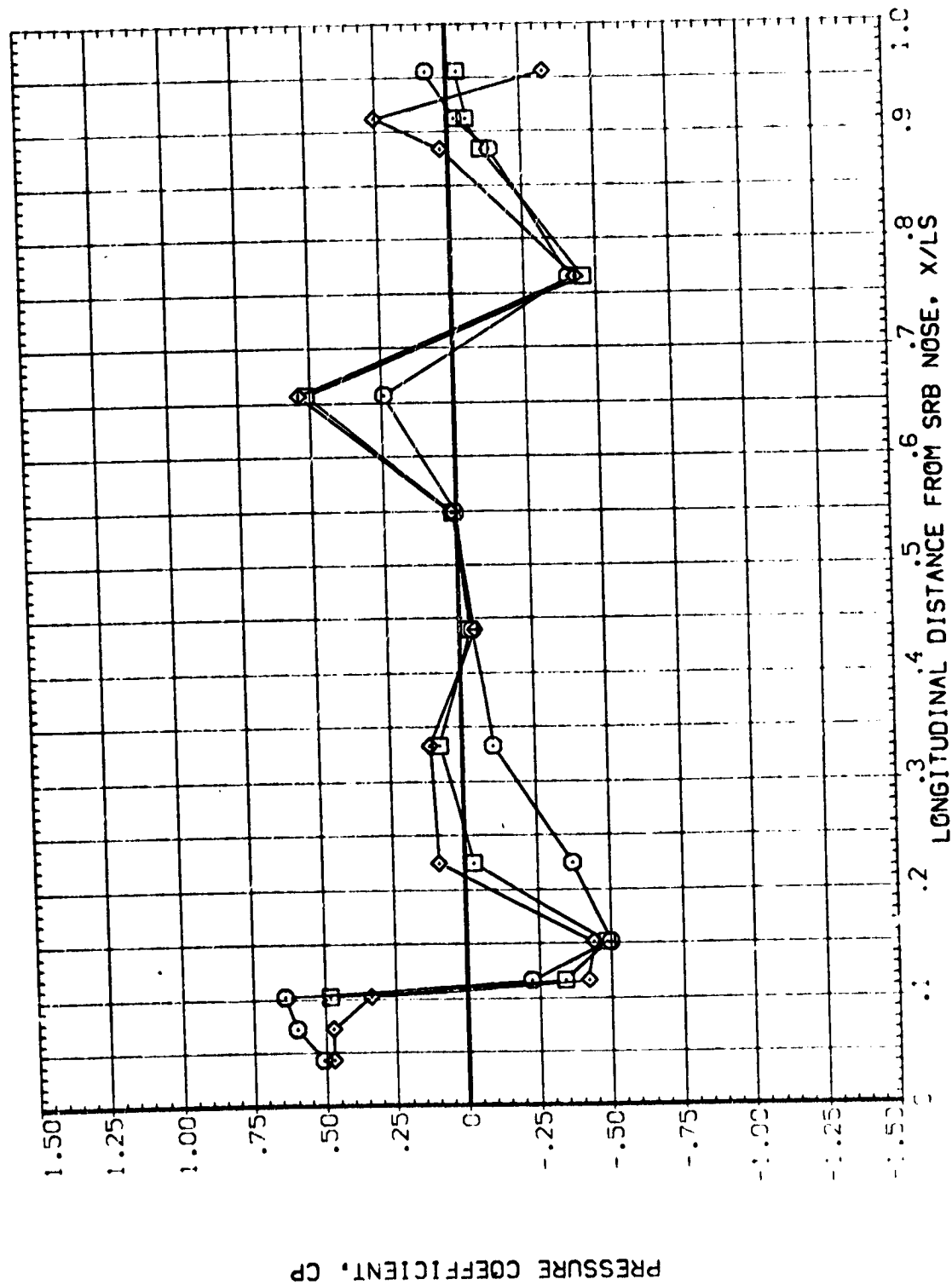
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	ALPHA	DELTAZ	CONF IG	
○	202.500	-8.000	1.250	6.198	5.313	5.313	.000	50. IN.		.000	CONF IG
□	225.000			2.549				IN.		.140	RUDDER
◇	247.500			.972				IN.		.000	ORBING
				.000				IN.		.500	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA		ALPHA DELTA Z X-SRB	PARAMETRIC VALUES		
				SREF	LREF		CONF IG	RUDER	ORB INC
○	270.000	-8.000	1.250	6.198	5.313	50. IN.	.000	.140	.000
□	292.500			5.313	2.549	IN.	.000	.000	.500
◇	315.000			2.549	.972	IN.			
				.972	.000	IN.			



Pressure Distribution on Left SRM Booster T9 S3/2 S3/2 03 U5

WMSC 557(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S06)

SYMBOL ☐ ☐

PH!
337.500
360.000

BETA
-8.000

MACH
1.250

REFERENCE DATA	
SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

9. zzzzzz

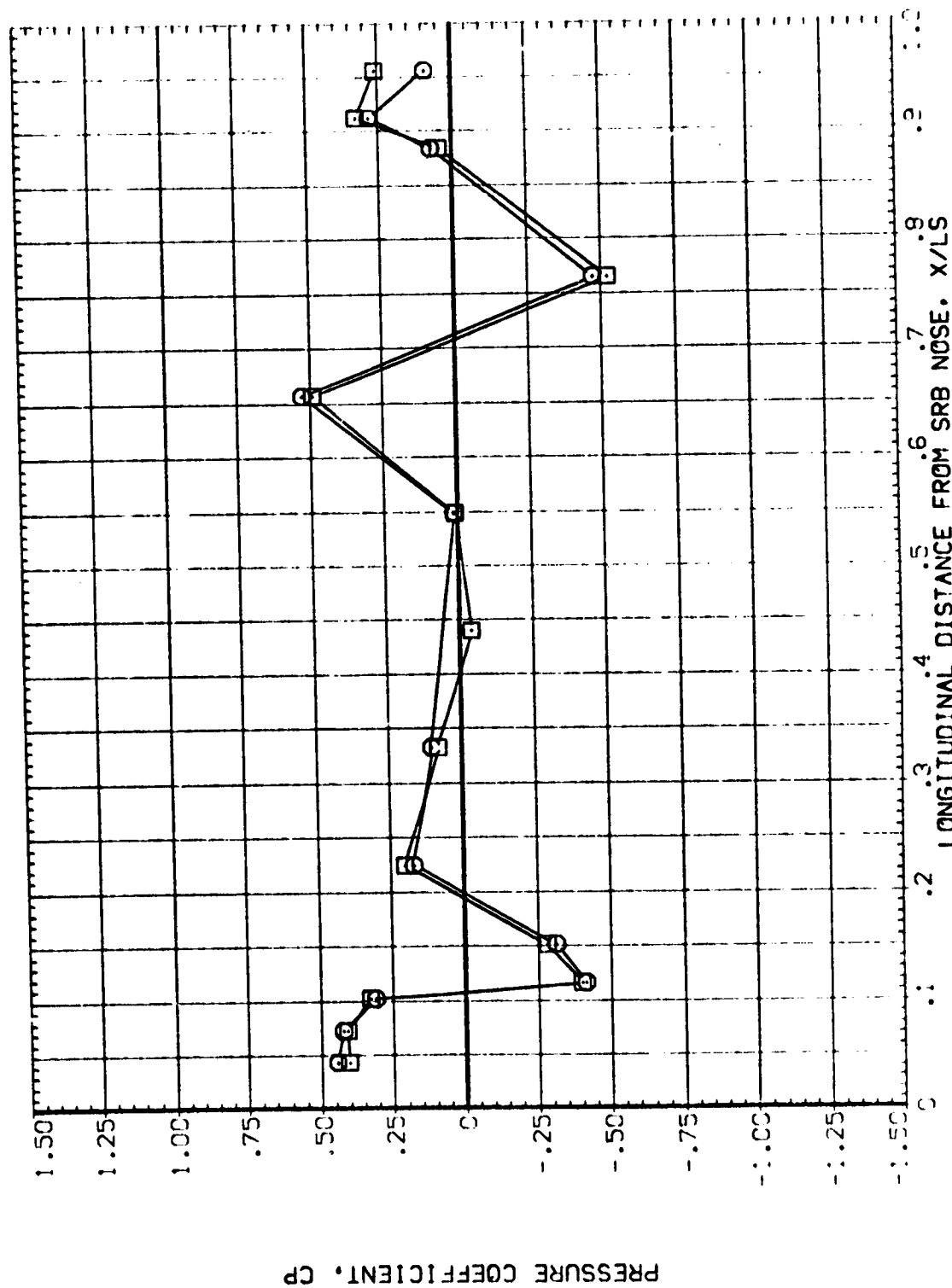
ALPHA
DELTA Z
X-SRB

PARAMETRIC VALUES	
.000	CONFIG
.140	RUDER
.000	DRBINC

305
300
300.05

305
300
300.05

305
300
300.05

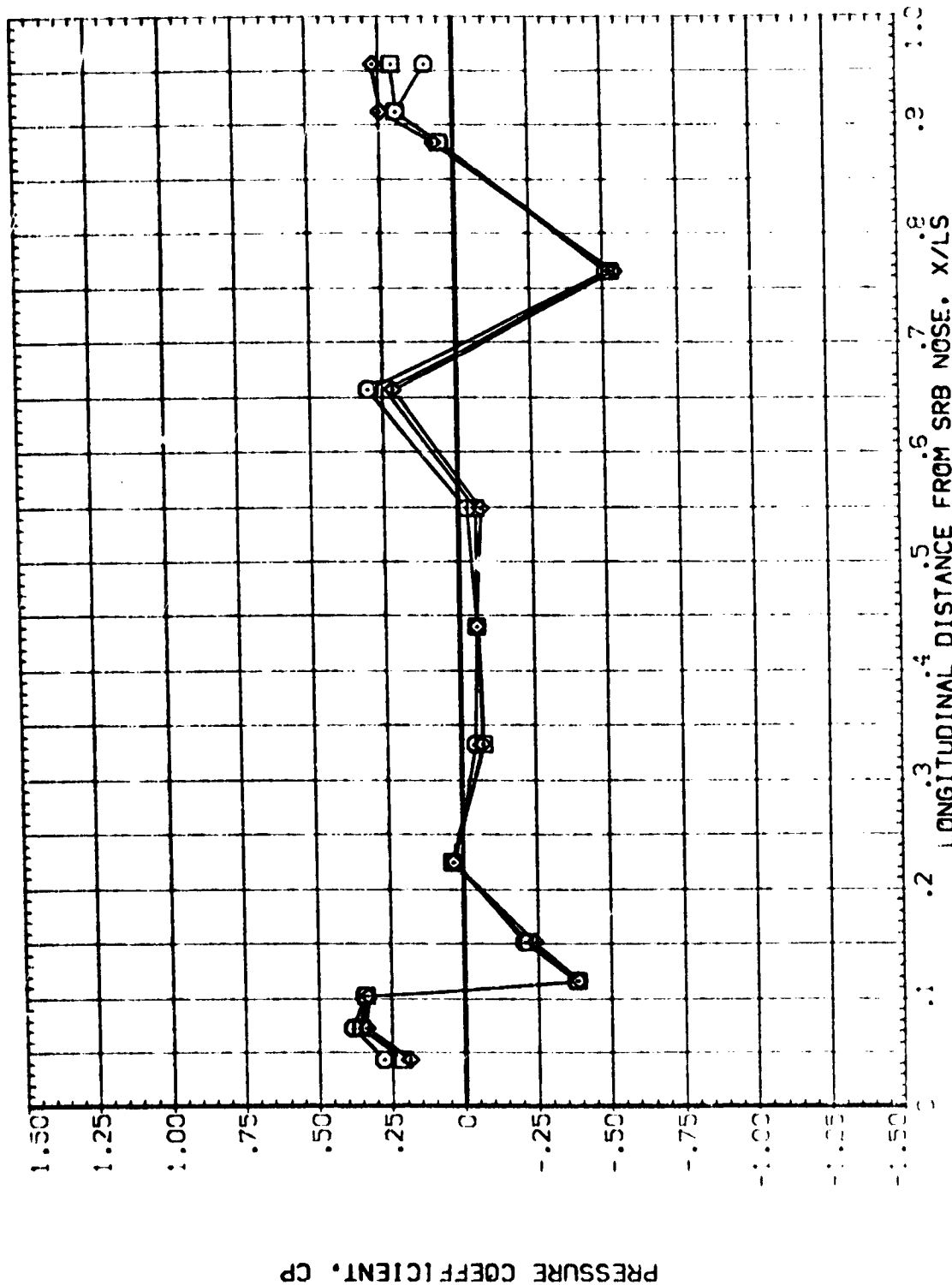


LONGITUDINAL DISTANCE FROM SRB NOSE. X/L S

19 S3/2 S3/2 03 US
PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

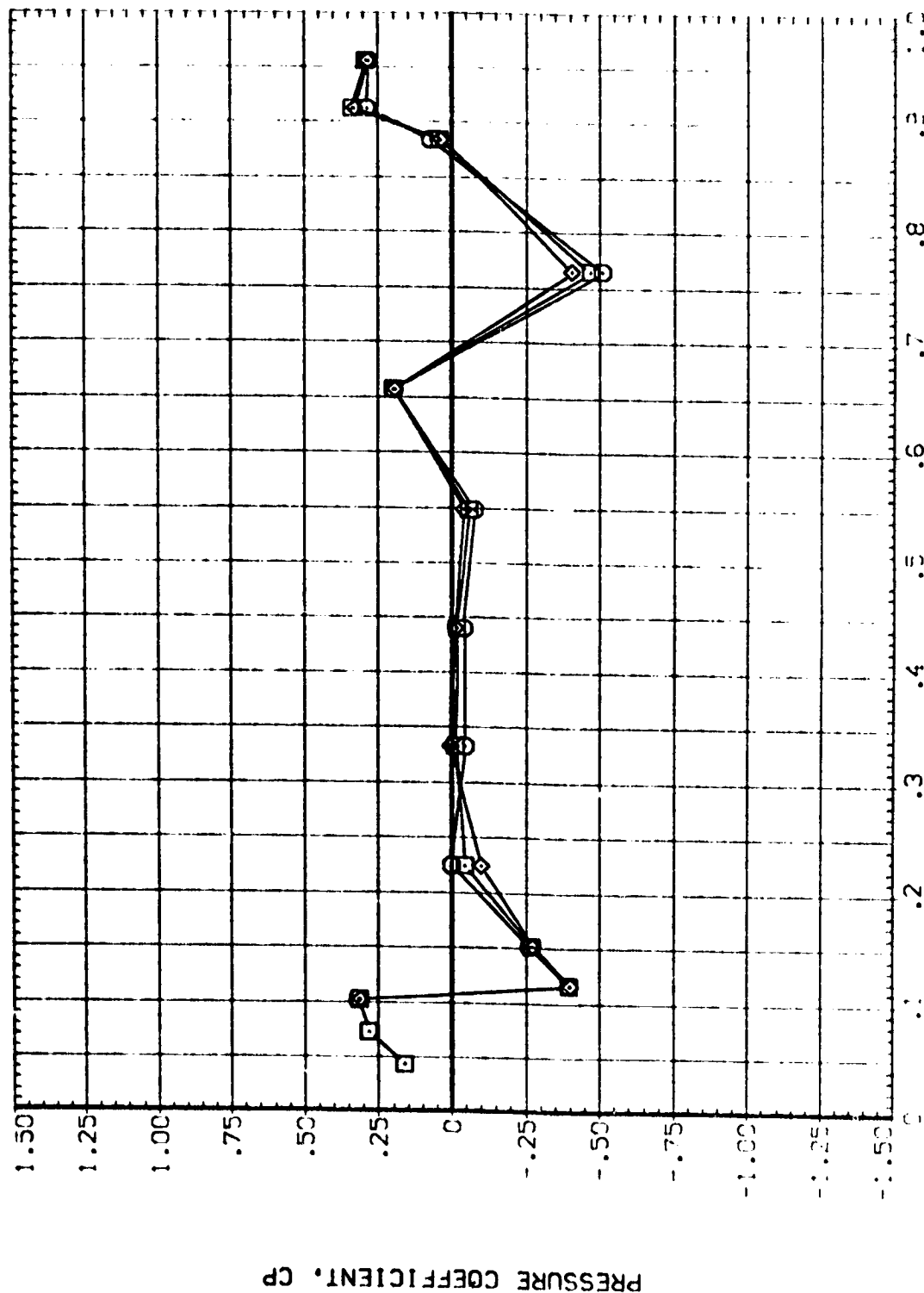
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		SQ. IN.	ALPHA		PARAMETRIC VALUES		
				SREF	LREF		DEL'AZ	X-SRB	.000	CGF16	90.000
◇	.000	.000	1.250	5.153	5.313	1.1	.140	.000	.000	RUDDER	.000
○	22.500			5.313	2.349	2.2			.000	ORBITAL	.500
□	45.000			.972	.000	2.2					
				ZMRP							



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

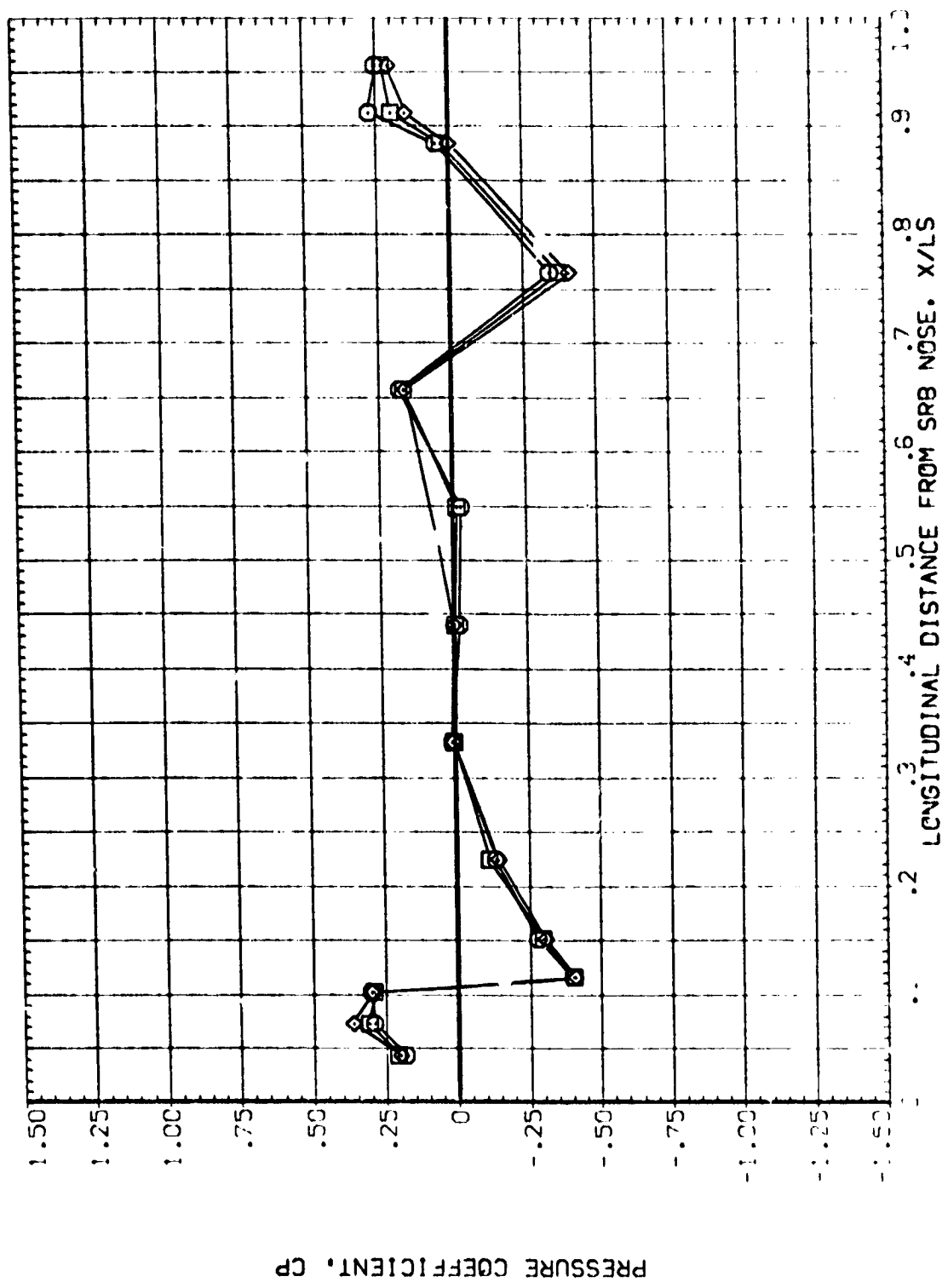
S-MOD.	PMI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LINEF	DRG	YREF	ALPHA	DELTAZ	CONFIS	ORBITAL
□	67.500	.000	1.250	6.198	5.313	IN.	5.313	IN.	.140	.000	.000
◇	90.000			2.549	.972	IN.	.000	IN.	.000	.000	.500
	112.500					IN.		IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

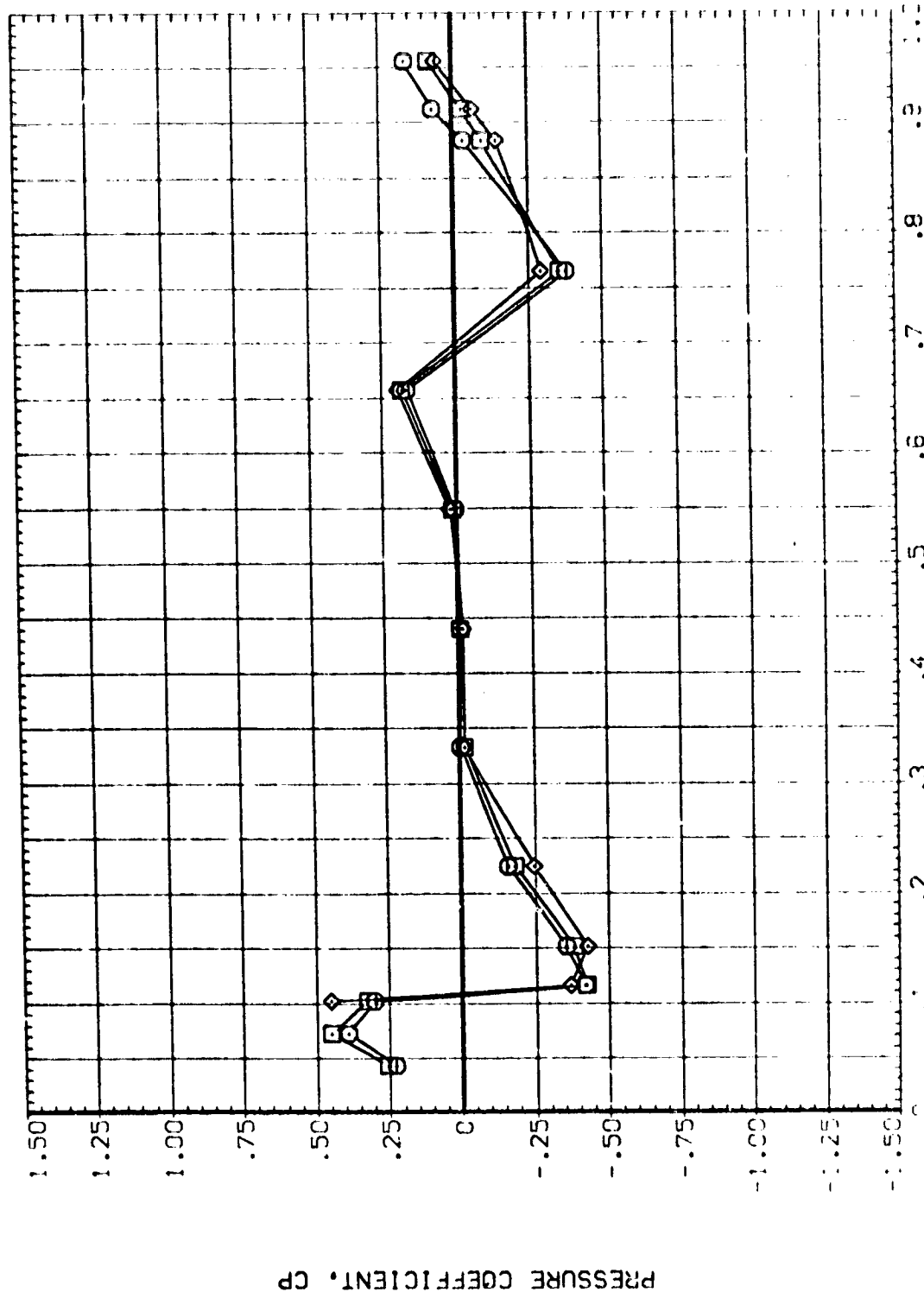
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	ALPHA	CONFIG	90.000
○	135.000	.000	1.250	LREF	5.313	DELTAZ	RUDDER	.000
□	157.500			BREF	5.313	X-SRB	.000	.500
◇	140.000			XMRP	2.548			
				YMRP	.972			
				ZMRP	.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

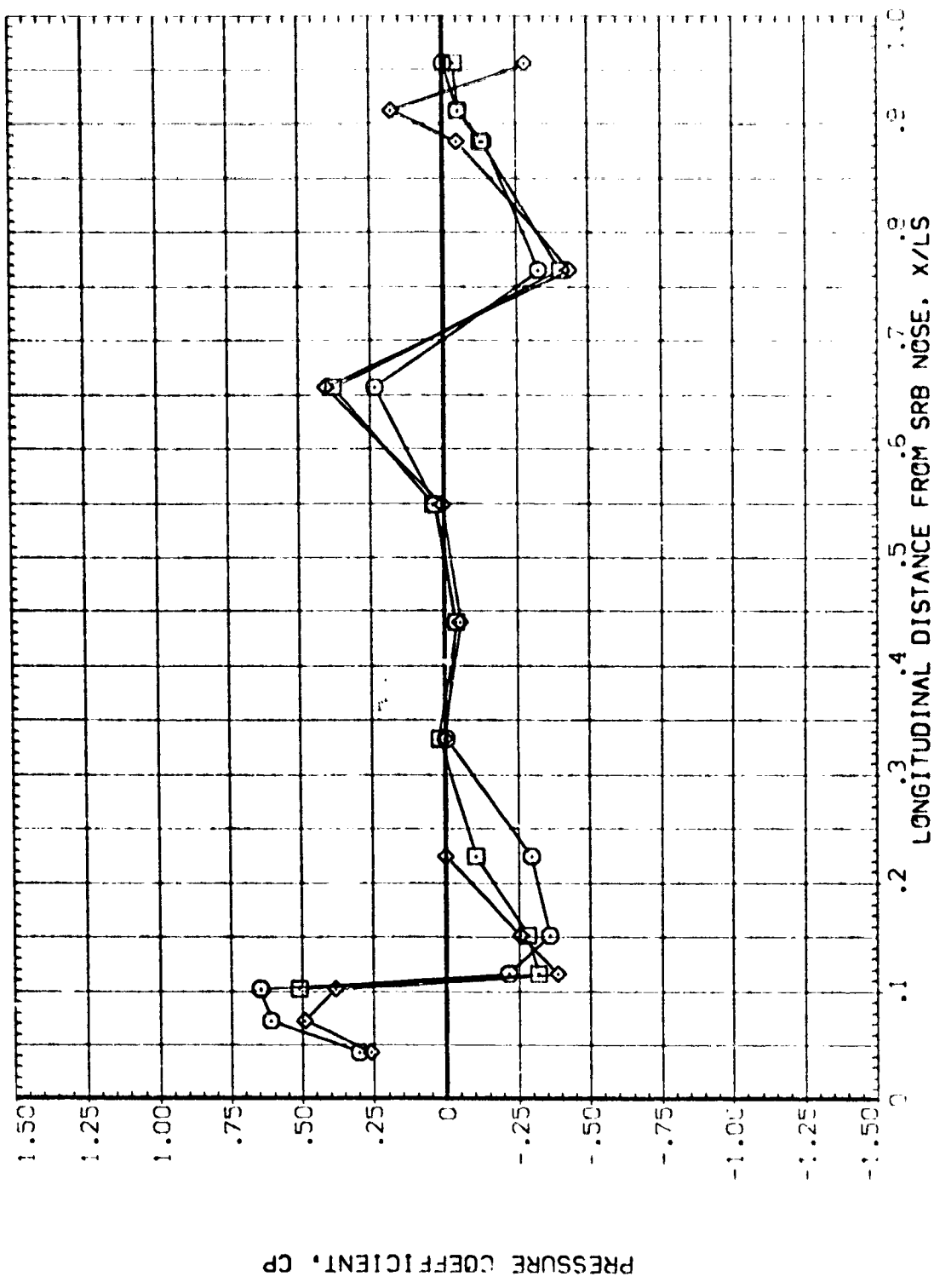
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SO IN.	ALPHA	CONF IG	50.000	
○	202.500	.000	1.250	LREF	5.313	DELTA Z	.14C	.000	.000
□	225.000			XMRP	2.349	X-SRB	.000	.000	.500
◇	247.500			YMRP	.972				
				ZMRP	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

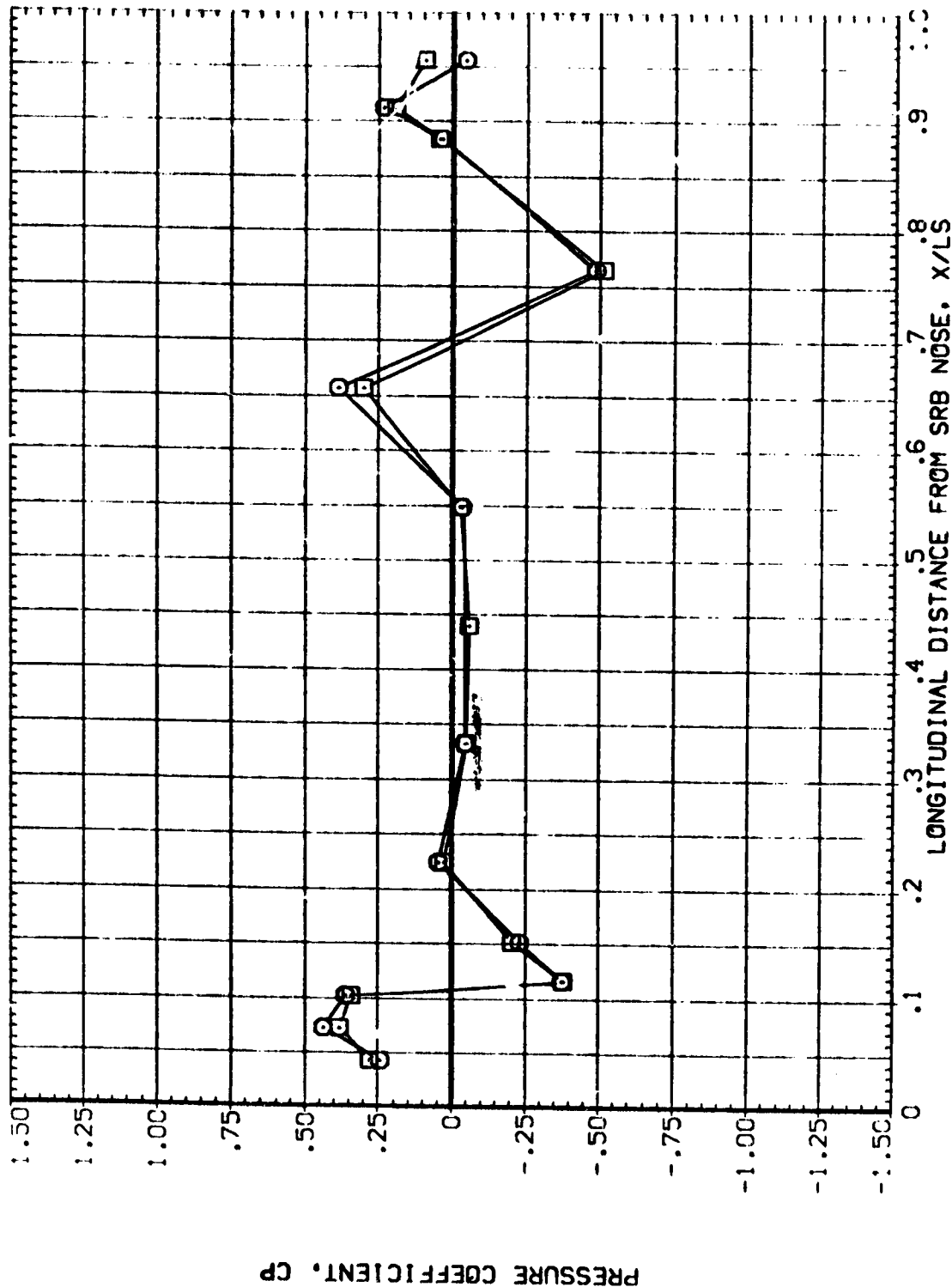
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	CONFIS	90.000
○	290.000	.000	1.250	LREF	5.313	IN.	DELTAZ	RUDER	.000
□	292.500			BREF	5.313	IN.	X-SRB	SRBINC	.500
◇	315.000			XMRP	2.549	IN.			
				YMRP	.972	IN.			
				ZMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

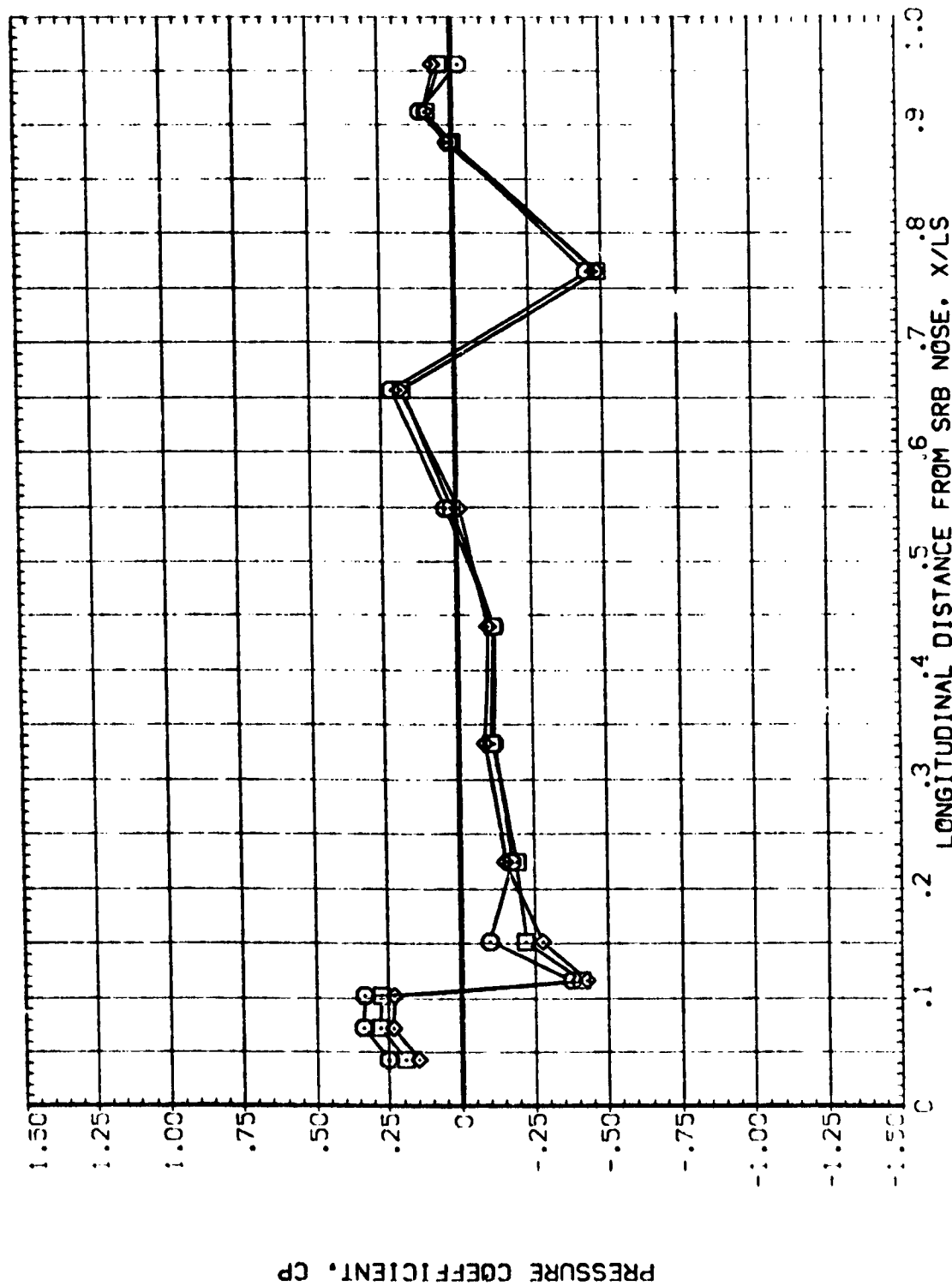
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SO. IN.	ALPHA	CONF IG	90.00C
○	337.500	.000	1.250	6.198	5.313	5.313	2.549	IN.	DELTA Z	.140	.00C
□	350.000							IN.	X-SRB	.000	.00C
								IN.		DRG INC	.50C
								IN.			
								IN.			
								IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

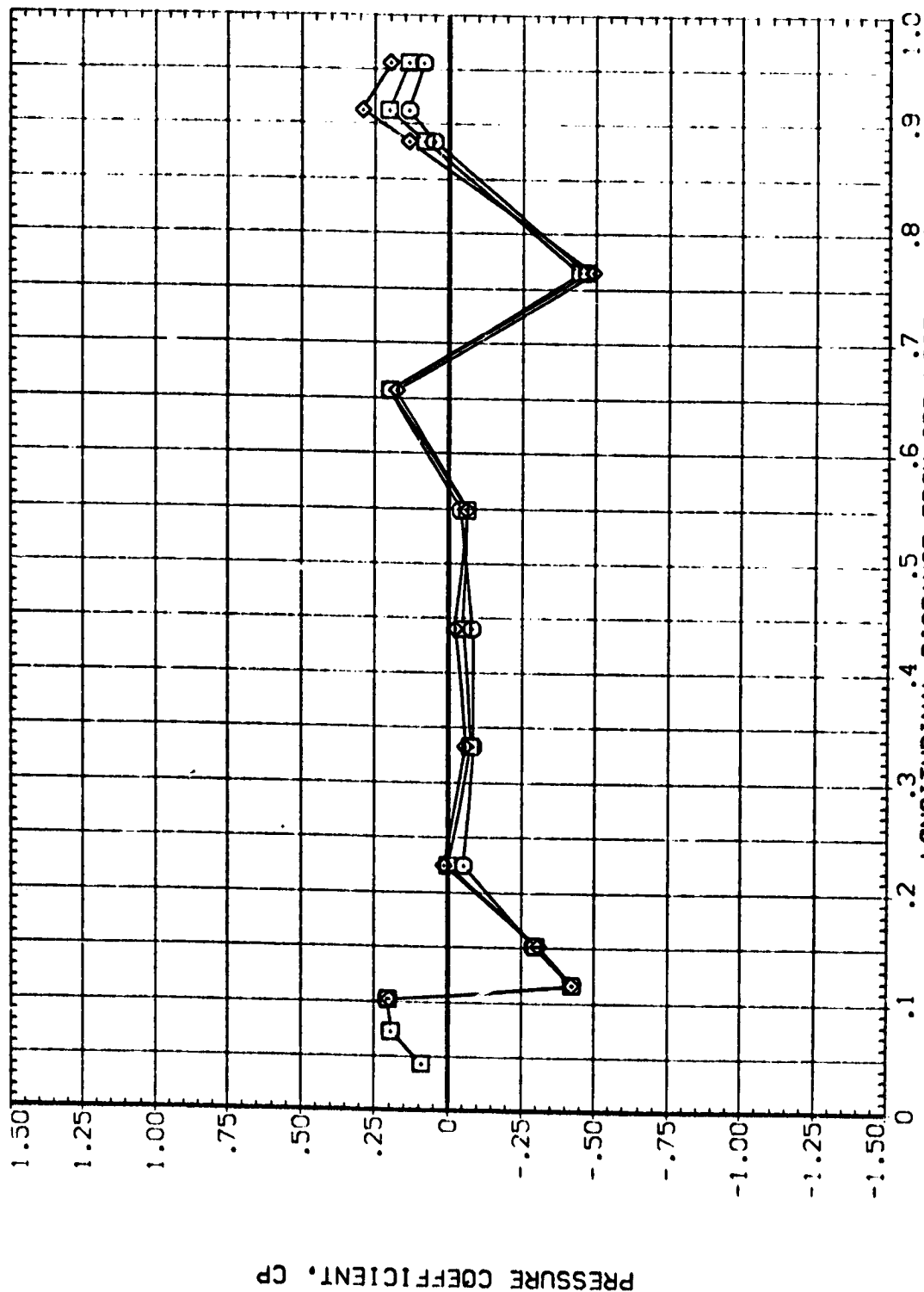
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	ALPHA	CONF IG	
□	.000	8.000	1.250	6.198	DELTA Z	.000	90.000
◇	22.500			5.313	X-SRB	.140	.000
	45.000			2.549		.000	.500
				2.972			
				.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

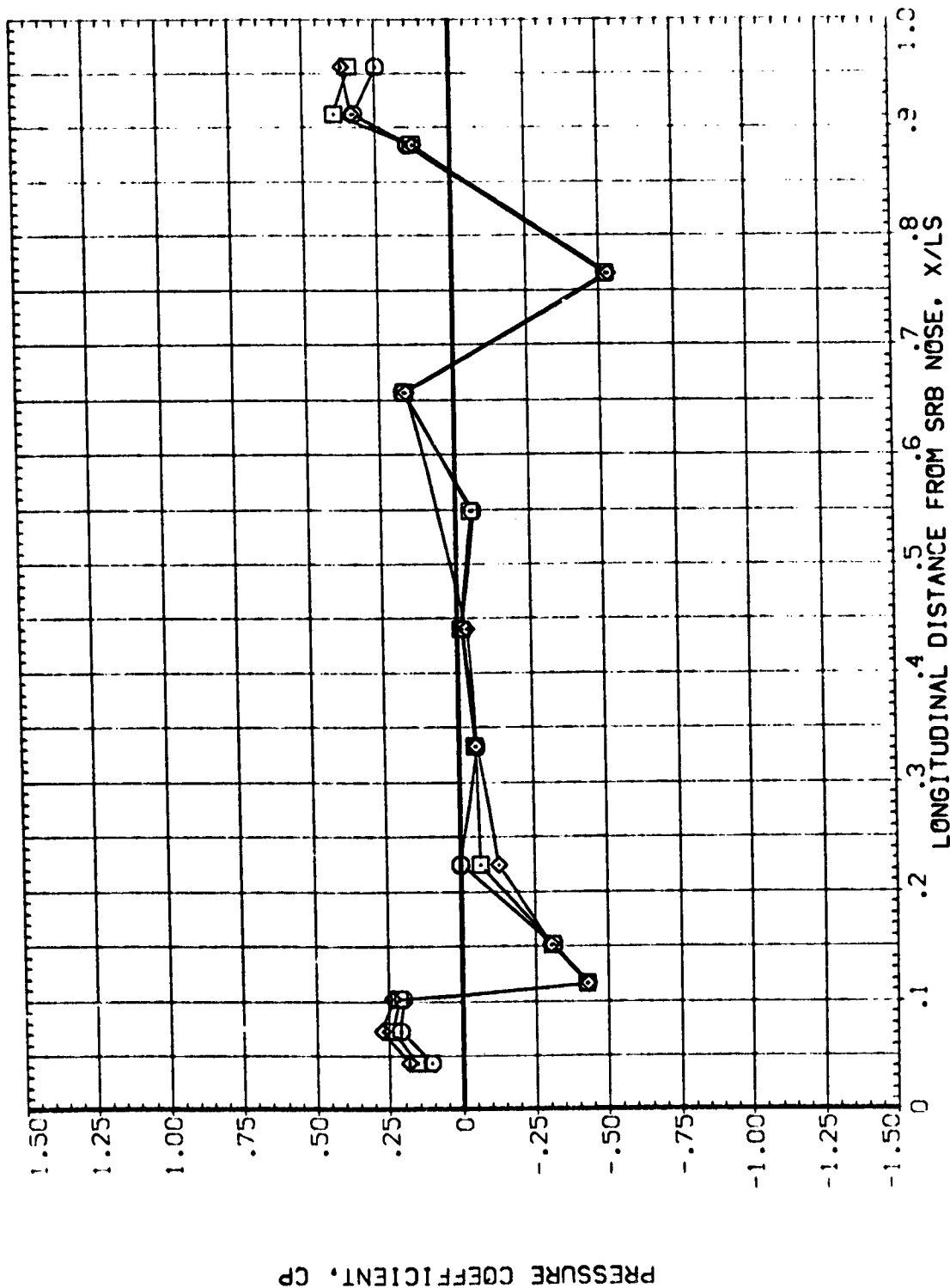
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	.000	CONFIG
○	67.500	8.000	1.250	LREF	5.313	IN.	DELTA Z	.000 <th>RJDER</th>	RJDER
□	90.000			BREF	5.313	IN.	X-SRB	.000 <th>ORRINC</th>	ORRINC
◇	112.500			XMRP	2.549	IN.			
				YMRP	.972	IN.			
				ZMRP	.000	IN.			
									90.000
									.000
									.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

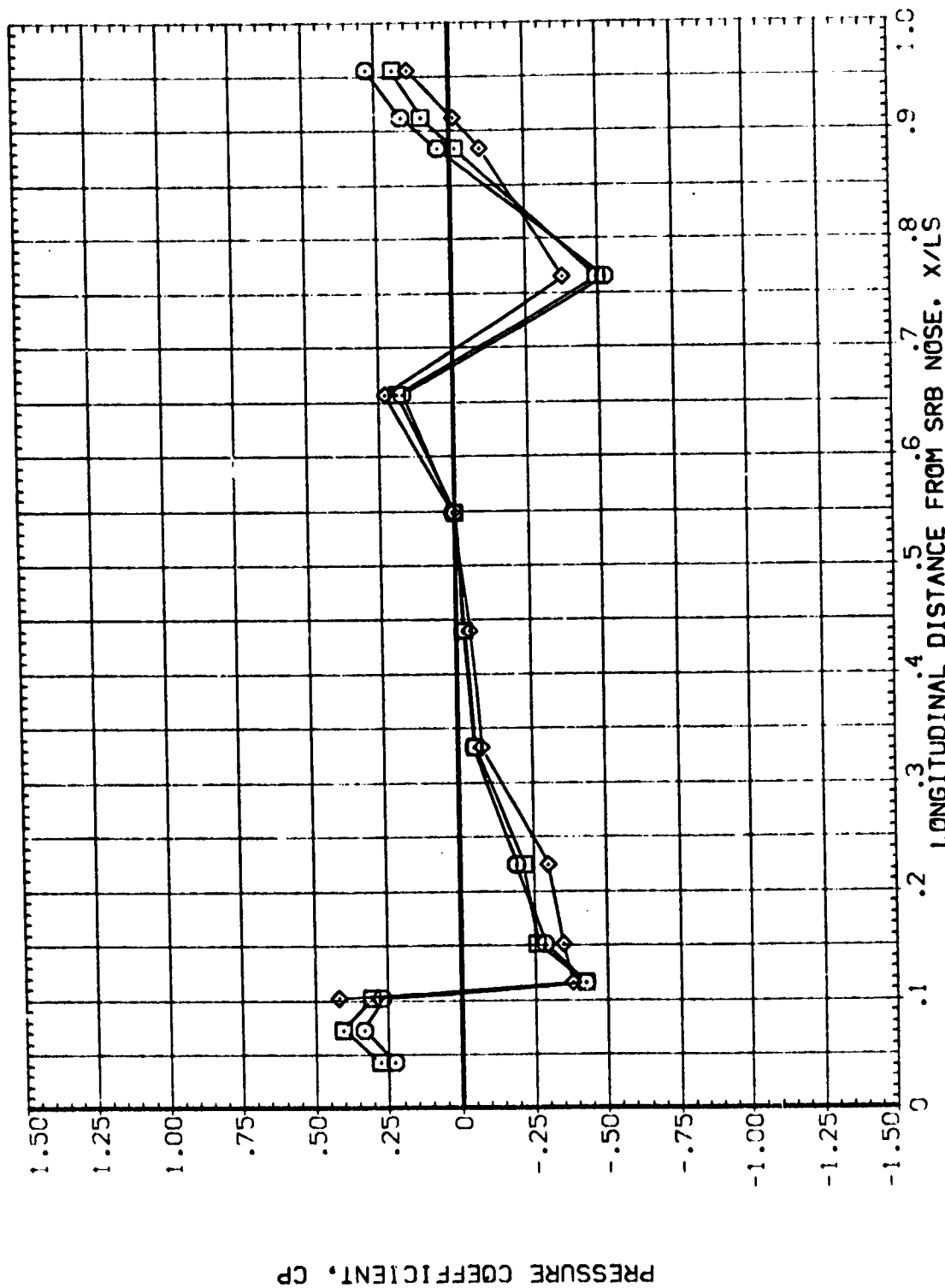
SYMBOL	P41	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SO. IN.	ALPHA	CONF IG
□	135.000	8.000	1.250	LREF	5.313 IN.	DELTAZ	RJODER
◇	157.500			BREF	5.313 IN.	X-SRB	.000
	180.000			YMRP	2.549 IN.		DRG INC
				ZMRP	.972 IN.		.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

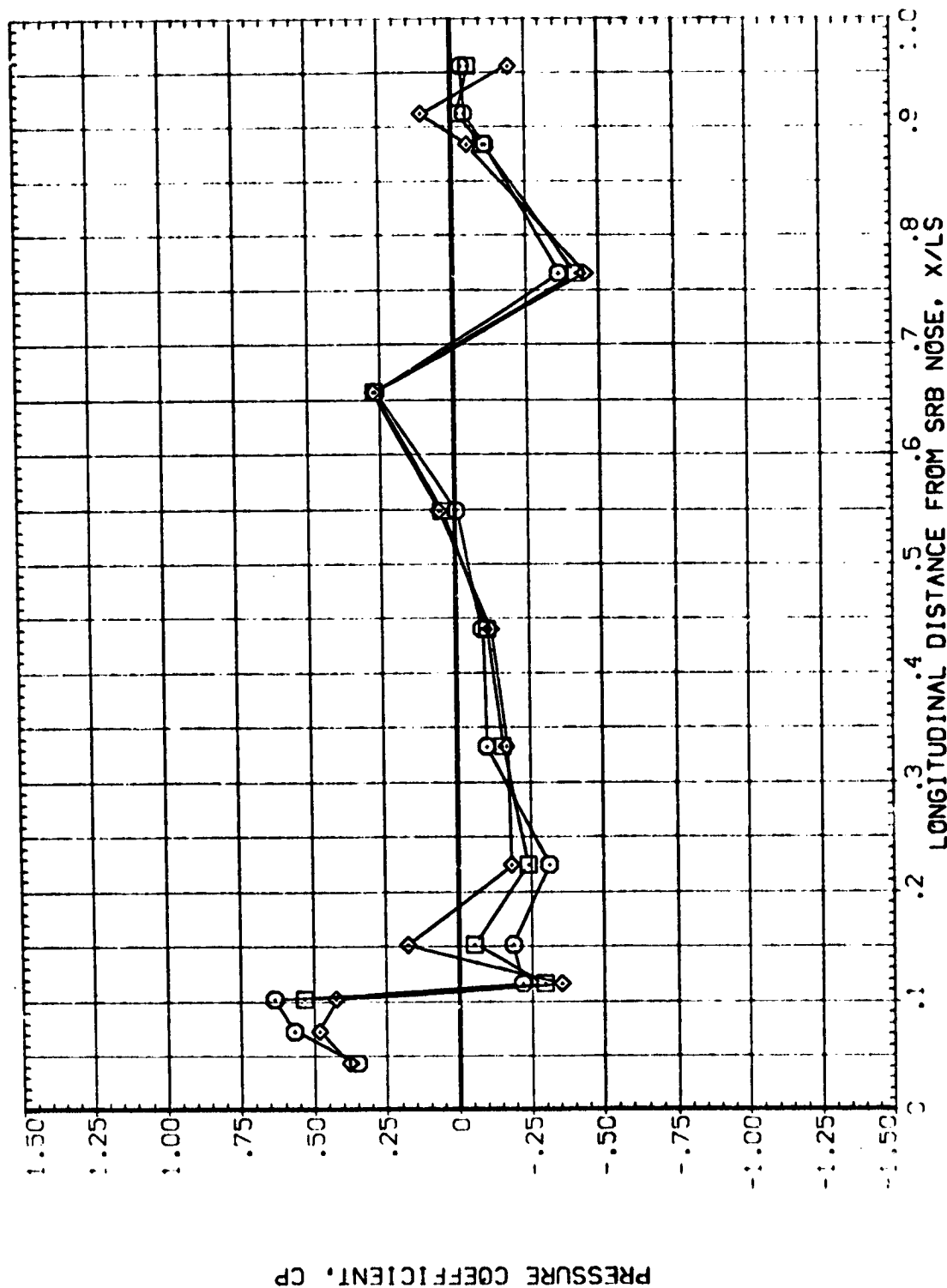
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	CONFIG		
○	202.500	8.000	1.250	6.198	5.313	5.313	2.549	50. IN.	.000	RUDER	90.000
□	275.000							IN.	.140	ORBINC	.000
◇	247.500							IN.	.000		.500
								IN.			
								IN.			
								IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

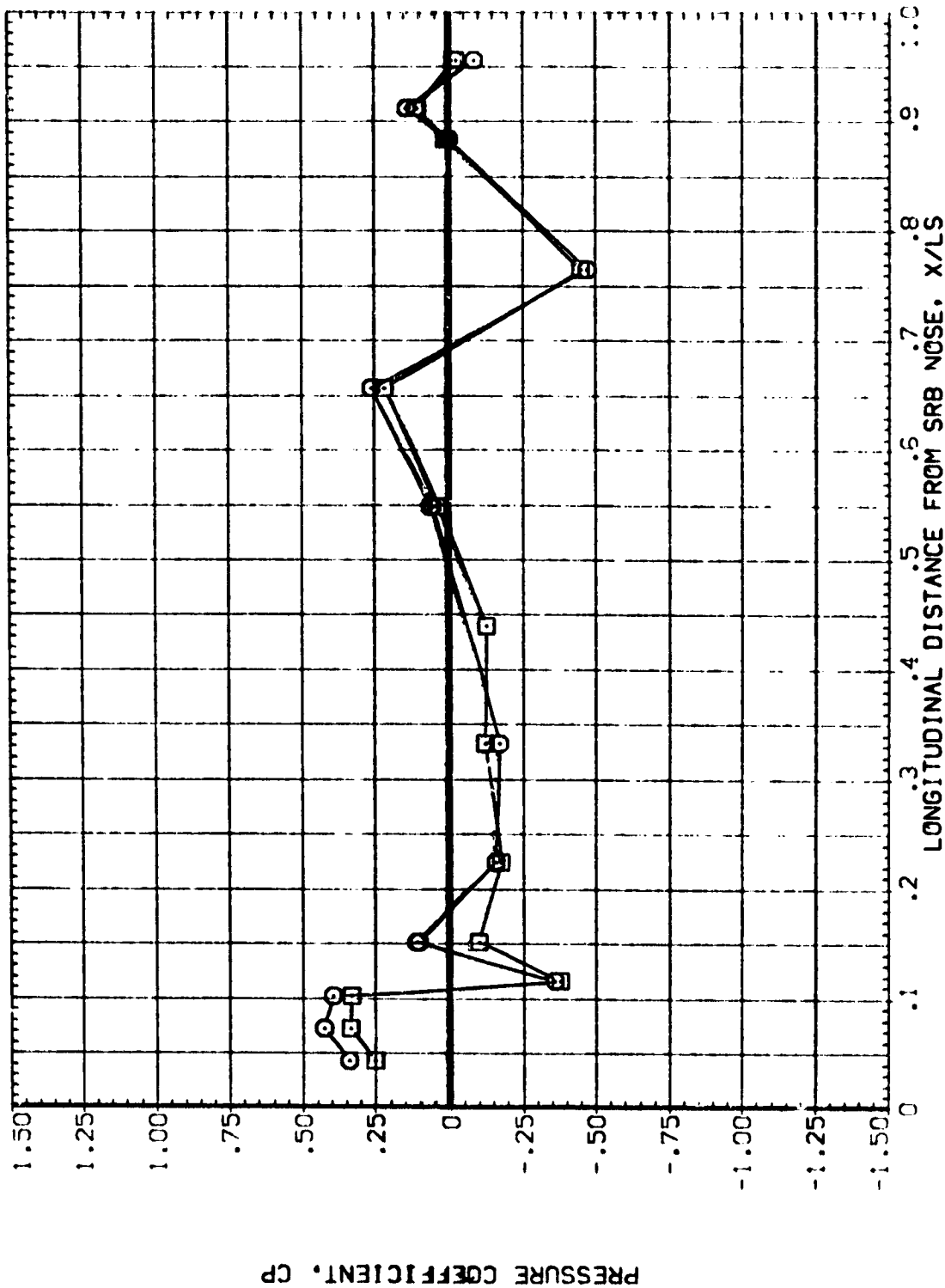
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SO.IN.	ALPHA	90.000
◇	270.000	8.000	1.250	LREF	IN.	DELTAZ	.000
□	292.500			BREF	IN.	X-SRB	.000
○	315.000			X-RP	IN.	ORRDER	.500
				Y-RP	IN.	ORRDER	.500
				Z-RP	IN.	ORRDER	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

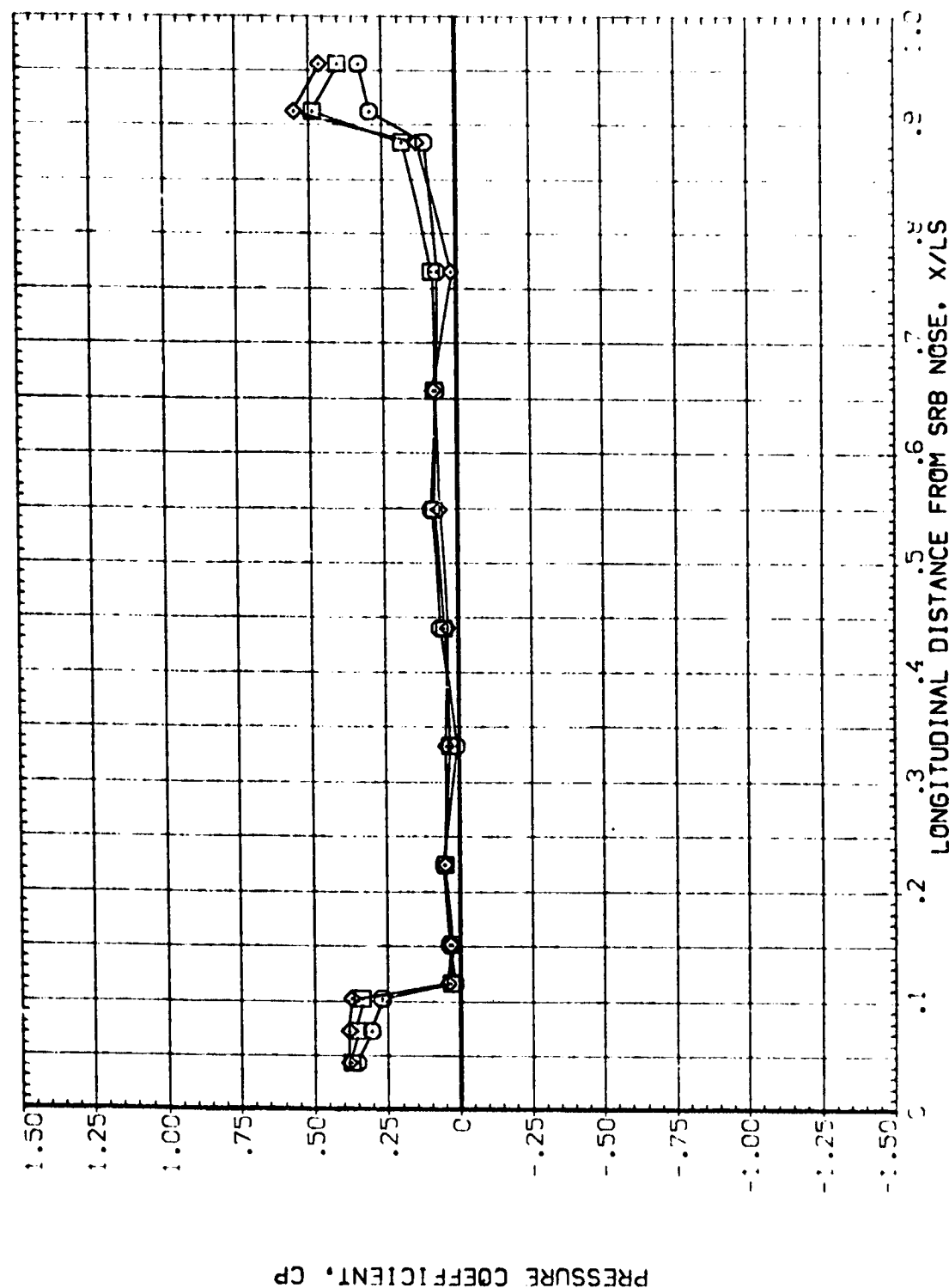
MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	SREF	LREF	ALPHA	CONFIG	CONFIG	CONFIG
○	337.500	8.000	1.250	6.198	5.313	50.1N.	50.1N.	DELTAZ	.000	.140	.000
□	360.000			5.313	2.549	50.1N.	50.1N.	X-SRB	.000	.000	.500
				YMRP	.972	.000	.000				
				ZMRP							



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

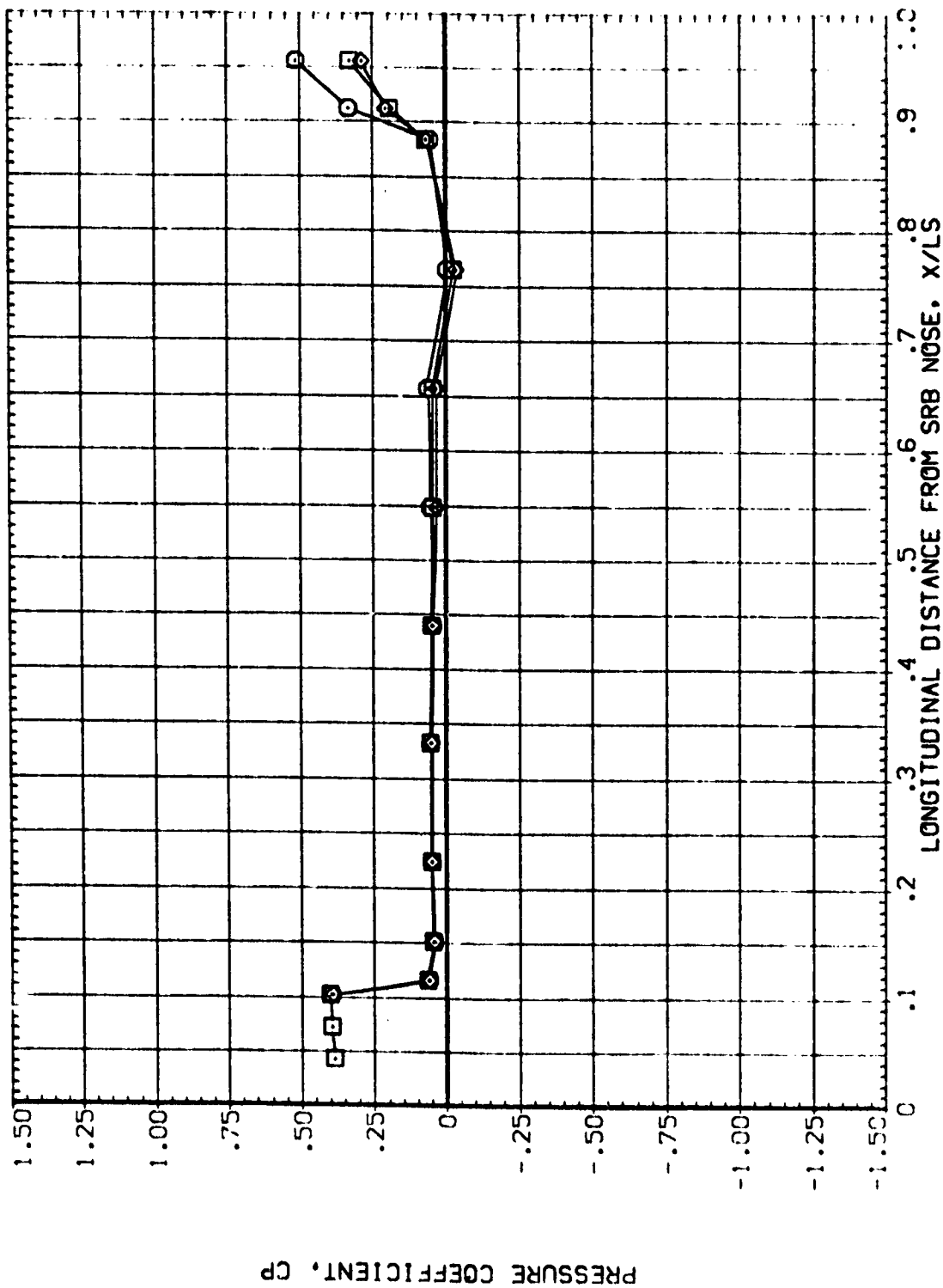
Symbol	Phi	Beta	Mach	Reference Data	50. IN.	Alpha	Parametric Values
□	.000	-8.000	3.500	SREF 6.198	IN.	DELTA Z	.000 CONF'S
□	22.500			UREF 5.313	IN.		.14C RUDDER
□	45.000			BREF 5.313	IN.	X-S98	.000 389INC
				XMRP 2.549	IN.		
				YMRP .972	IN.		
				ZMRP .000	IN.		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

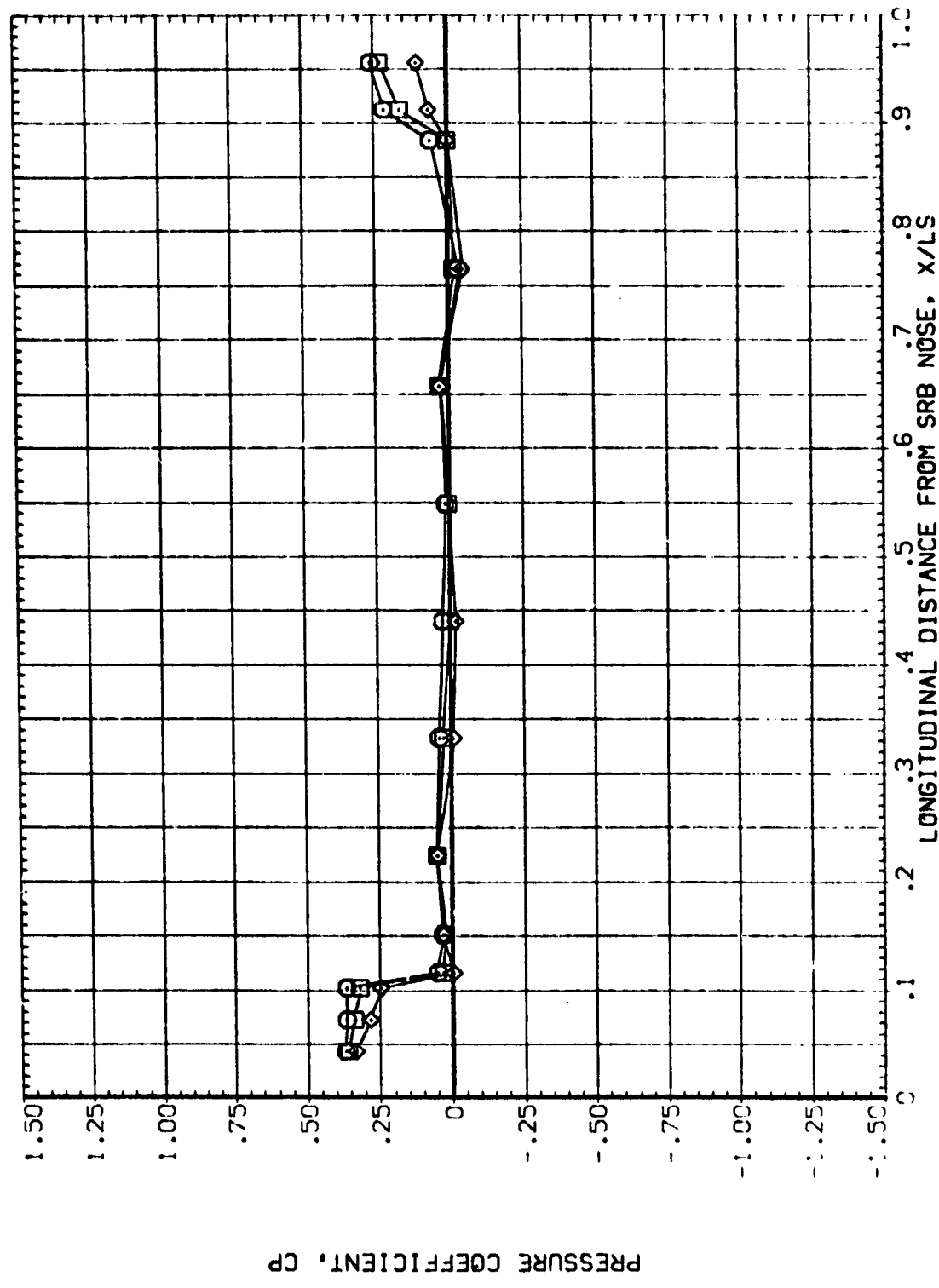
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	SO. IN.	ALPHA	CONFIG	
○	67.500	-8.000	3.500	6.198	5.313	5.313	2.549	IN.	DELTA Z	.000	90.000
□	90.000							IN.	X-SRB	.140	.000
◇	112.500							IN.		.000	.500
								IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

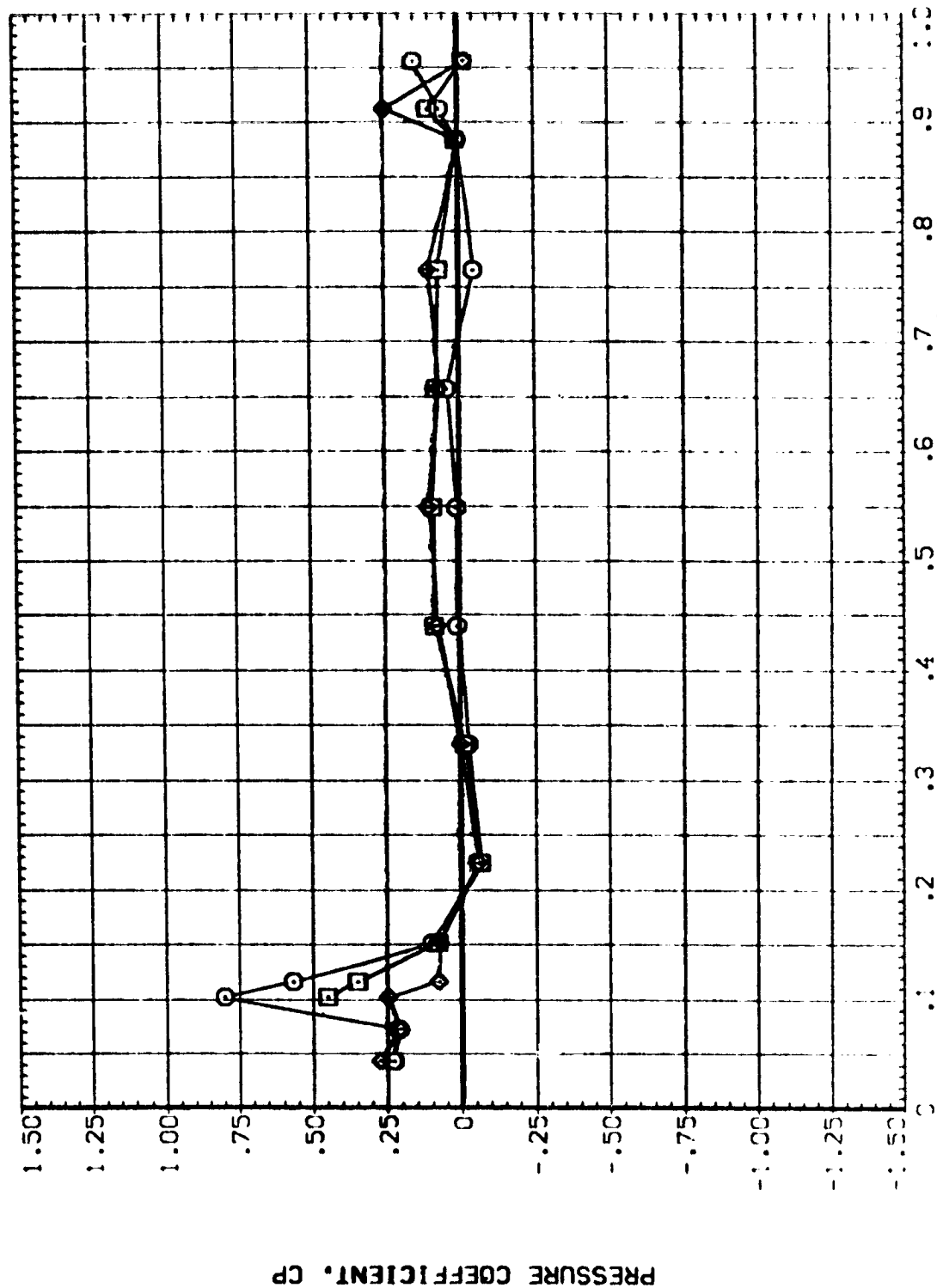
SYMBOL	PHI	BETA	MACH	REFERENCE DATA					PARAMETRIC VALUES				
				SREF	6.198	50. IN.	ALPHA	CONF IG	BREF	.140	RUDDER	.000	ORBIT INC
○	135.000	-8.000	3.500	LREF	5.313	IN.	DELTA Z						
□	157.500			XMRP	2.549	IN.	X-SRB						
◇	180.000			YMRP	.972	IN.							
				ZMRP	.000	IN.							



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

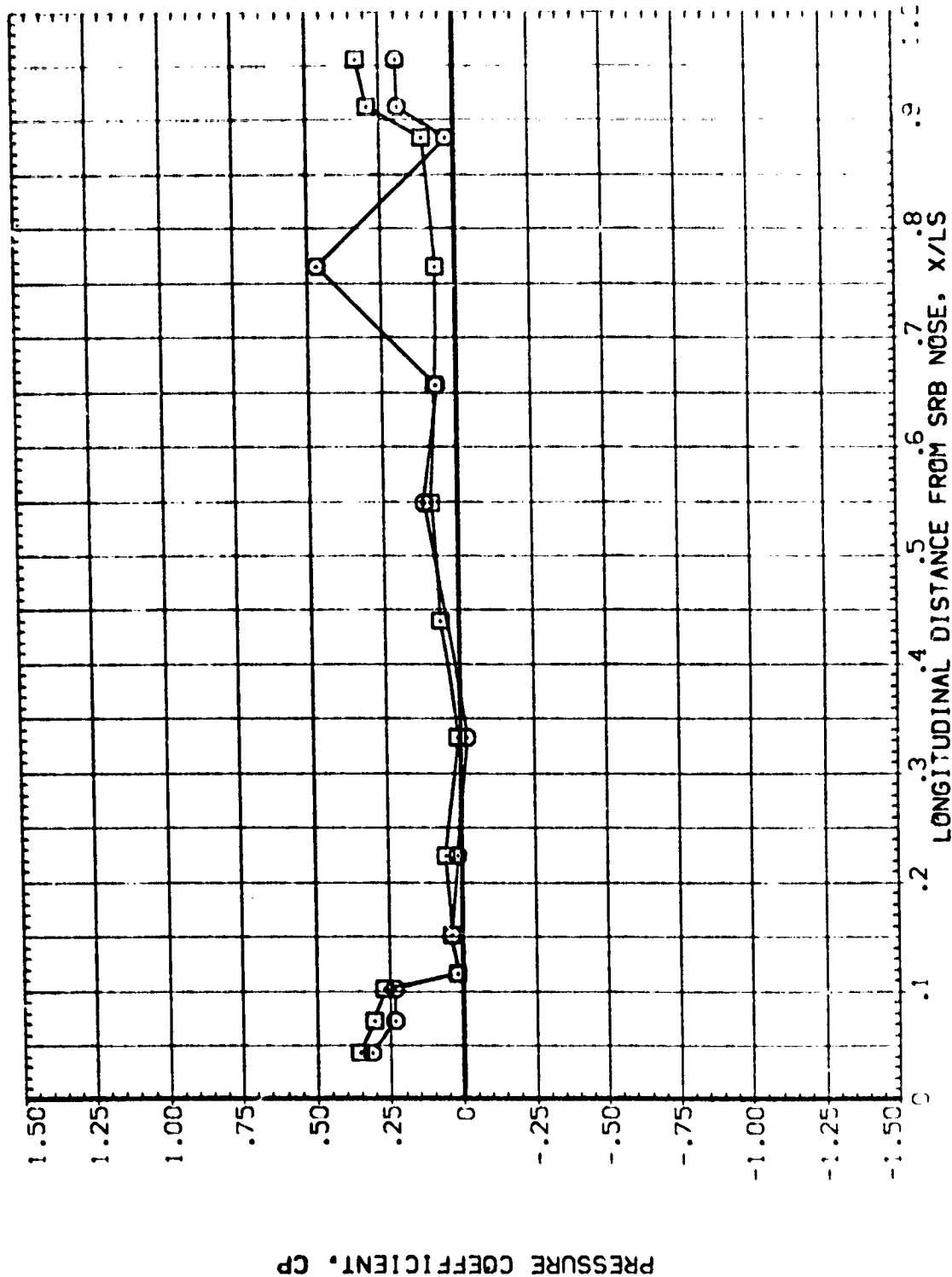
SYMBOL	PMI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES				
				SREF	6.198	50. IN.	ALPHA	.000	CONFIG	90.000
○	270.000	-8.000	3.500	LREF	5.313	IN.	DELTA Z	.140	RUDER	.000
□	292.500			BREF	5.313	IN.	X-SRB	.000	ORBITAL	.500
◇	315.000			XMRP	2.549	IN.				
				YMRP	.972	IN.				
				ZMRP	.000	IN.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

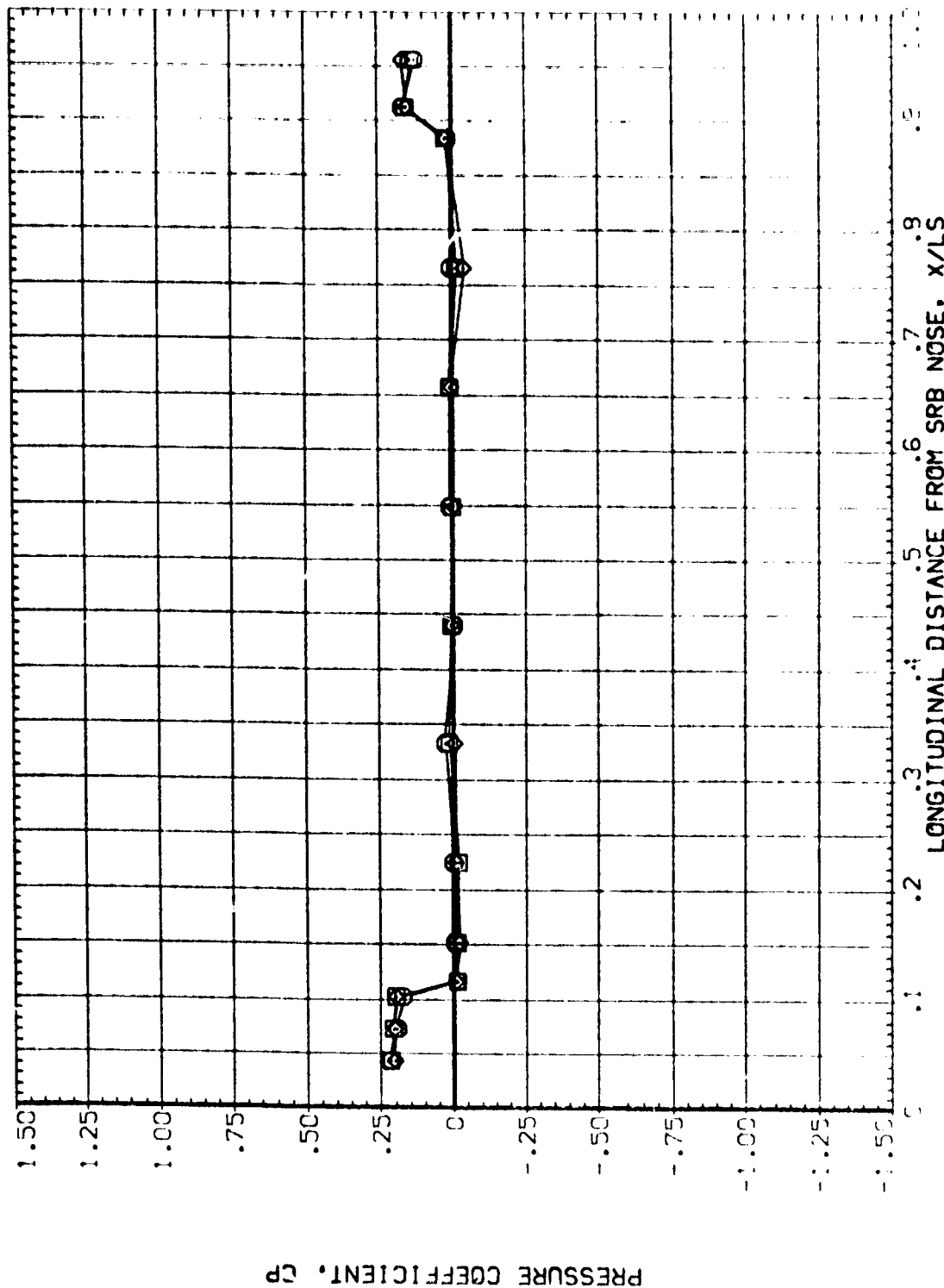
SYMBOL	PHI	BETA	MACH	REFERENCE DATA			PARAMETRIC VALUES		
				SREF	LREF	BREF	ALPHA	CONFIG	SO.DOC
○	337.500	-8.000	3.500	6.198	5.313	5.313	DELTAZ	.000	.000
□	360.000			2.549	2.549	2.549	X-SRB	.140	.000
				YMRP	ZMRP			ORIGIN	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

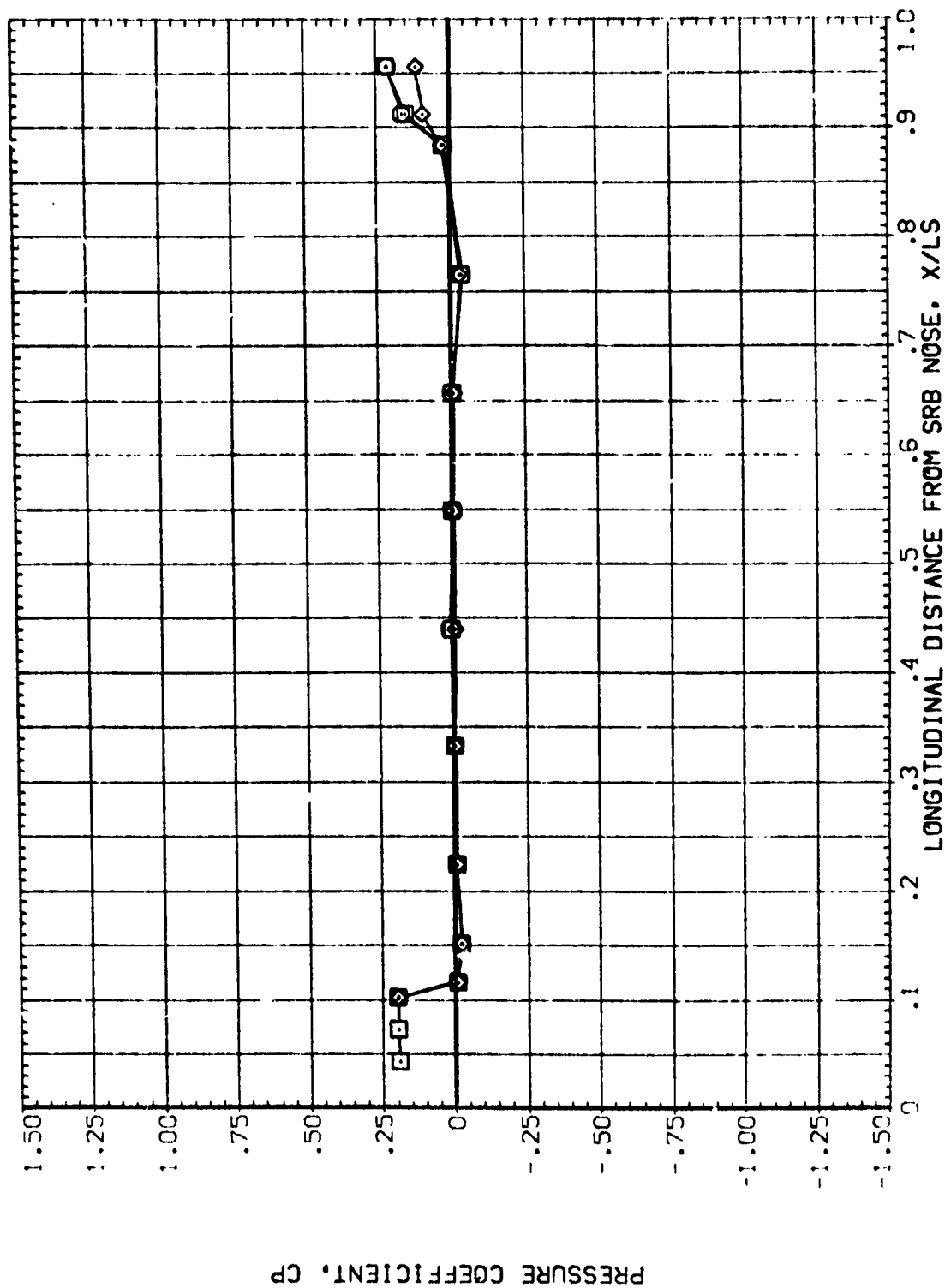
MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	SO. IN.	ALPHA	90.000
	.000	.000	3.500	LREF	5.313	IN.	DELTA Z	.000
	22.500			BREF	5.313	IN.	X-SRB	.000
	45.000			XMRP	2.549	IN.		.500
				YMRP	.972	IN.		
				ZMRP	.000	IN.		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

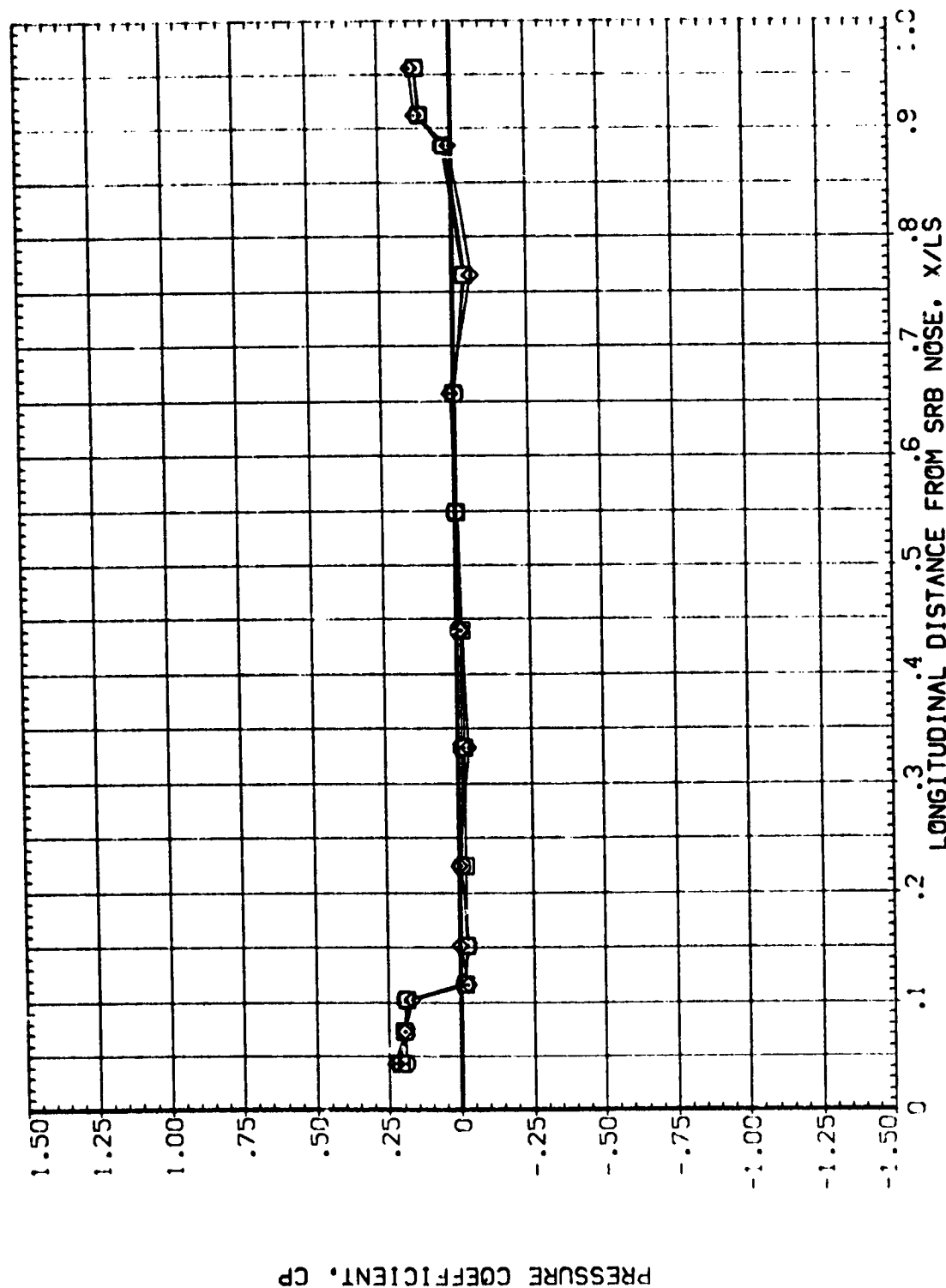
SYMBOL	PHI	BETA	MACH	REFERENCE DATA	SO. IN.	ALPHA	PARAMETRIC VALUES
<input type="radio"/>	67.500	.000	3.500	SREF	5.198	.000	CONFIG
<input type="radio"/>	90.000			LREF	5.313	.140	RUDDER
<input type="radio"/>				BREF	5.313	.000	CRSINC
<input type="radio"/>	112.500			XMRP	2.549	.000	
<input type="radio"/>				YMRP	.972		
<input checked="" type="radio"/>				ZMRP	.000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

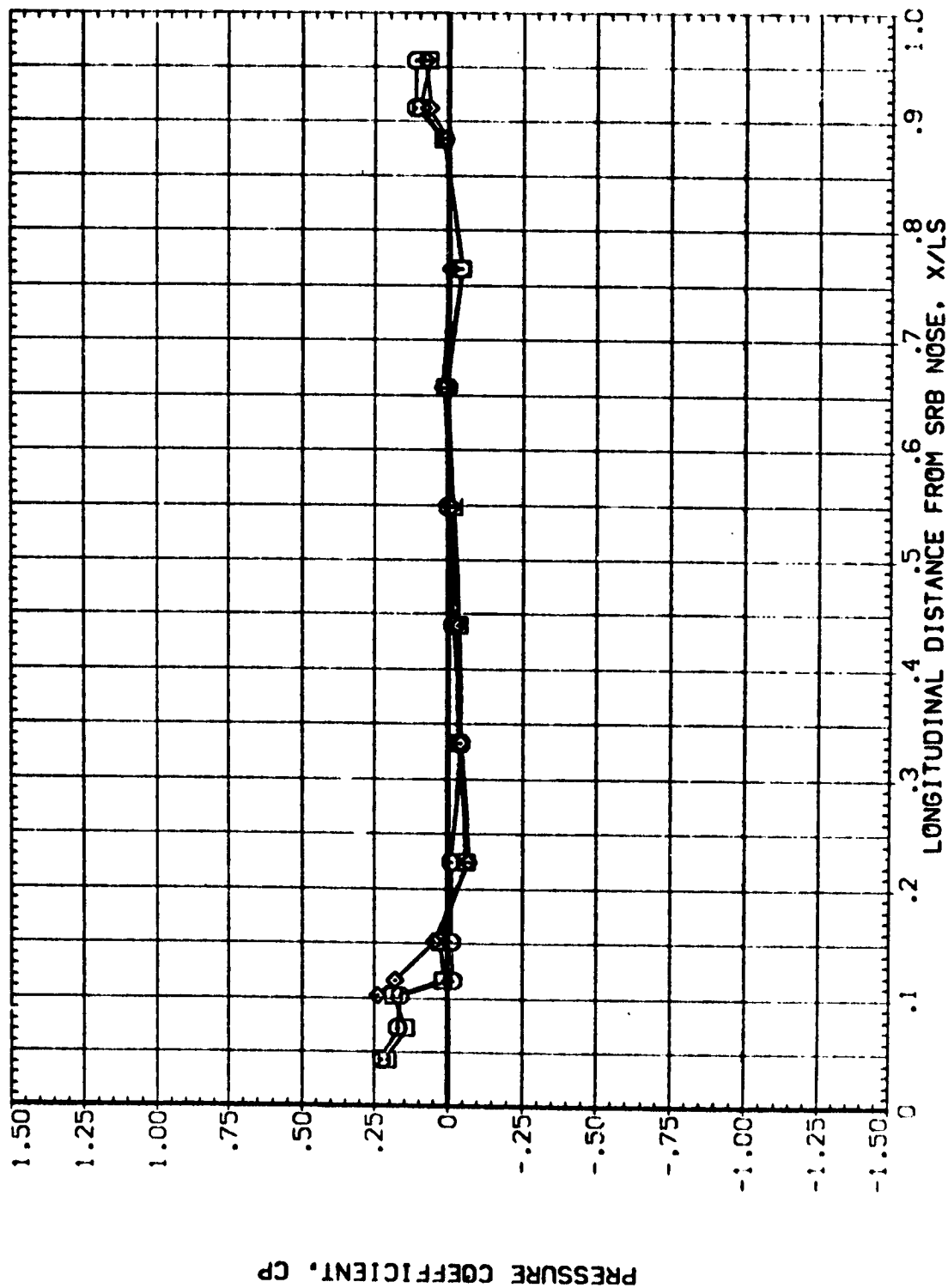
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	DELTAZ	CONFIG	RUDDER
○	135.000	.000	3.500	6.198	5.313	5.313	2.549	.000	.140	.000	.000
□	157.500							X-SRB			
◇	180.000										.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

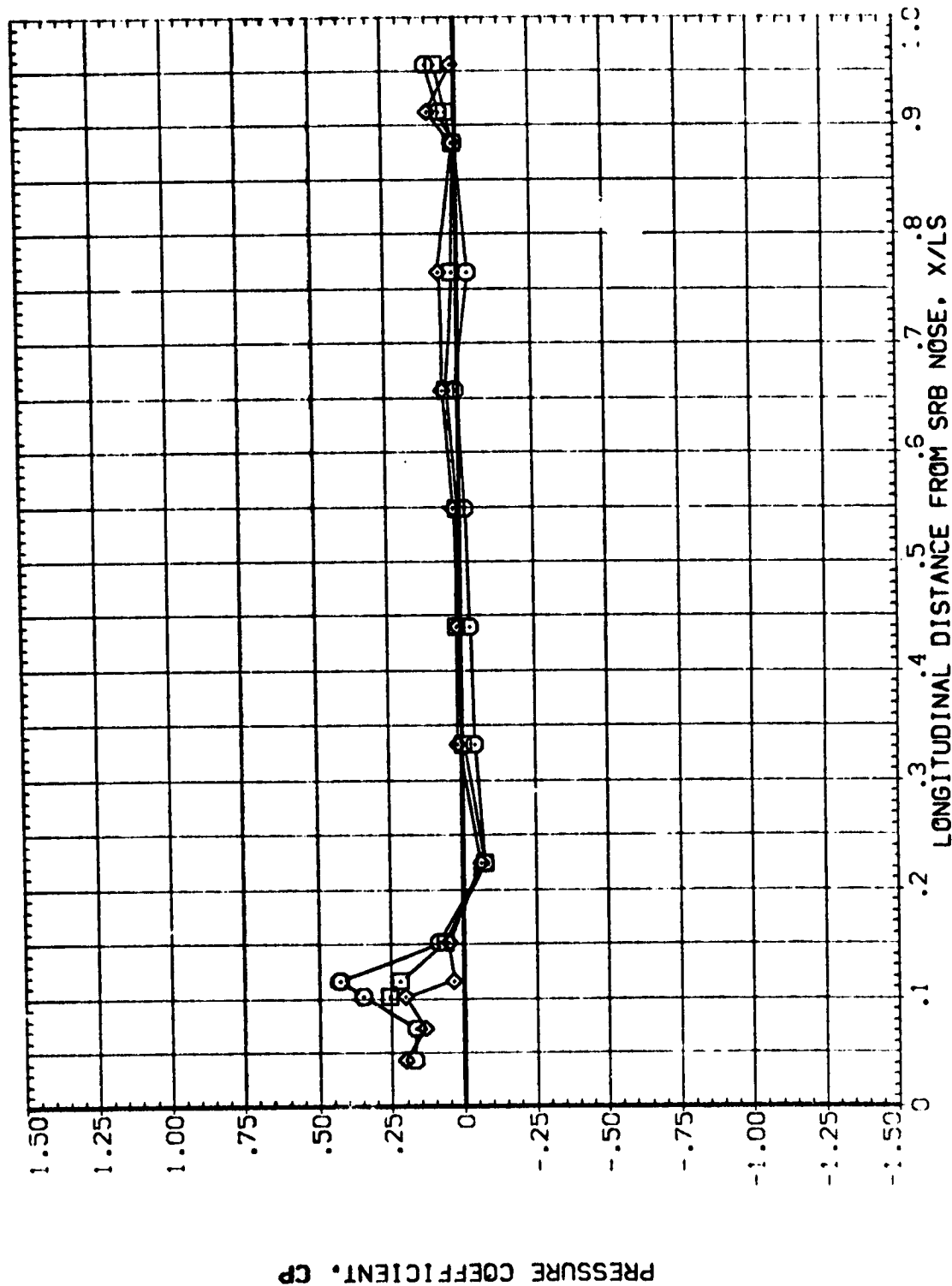
SYMBOL	PHI	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	202.500	.000	3.500	SREF 6.198	ALPHA .000
□	225.000			LREF 5.313	DELTAZ .140
◇	247.500			BREF 5.313	RUDDER .000
				XPRP 2.549	ORBIT INC .000
				YPRP .972	
				ZPRP .000	
					SO IN. 90.000
					IN. .000
					IN. .500
					IN. .000
					IN. .000
					IN. .000



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

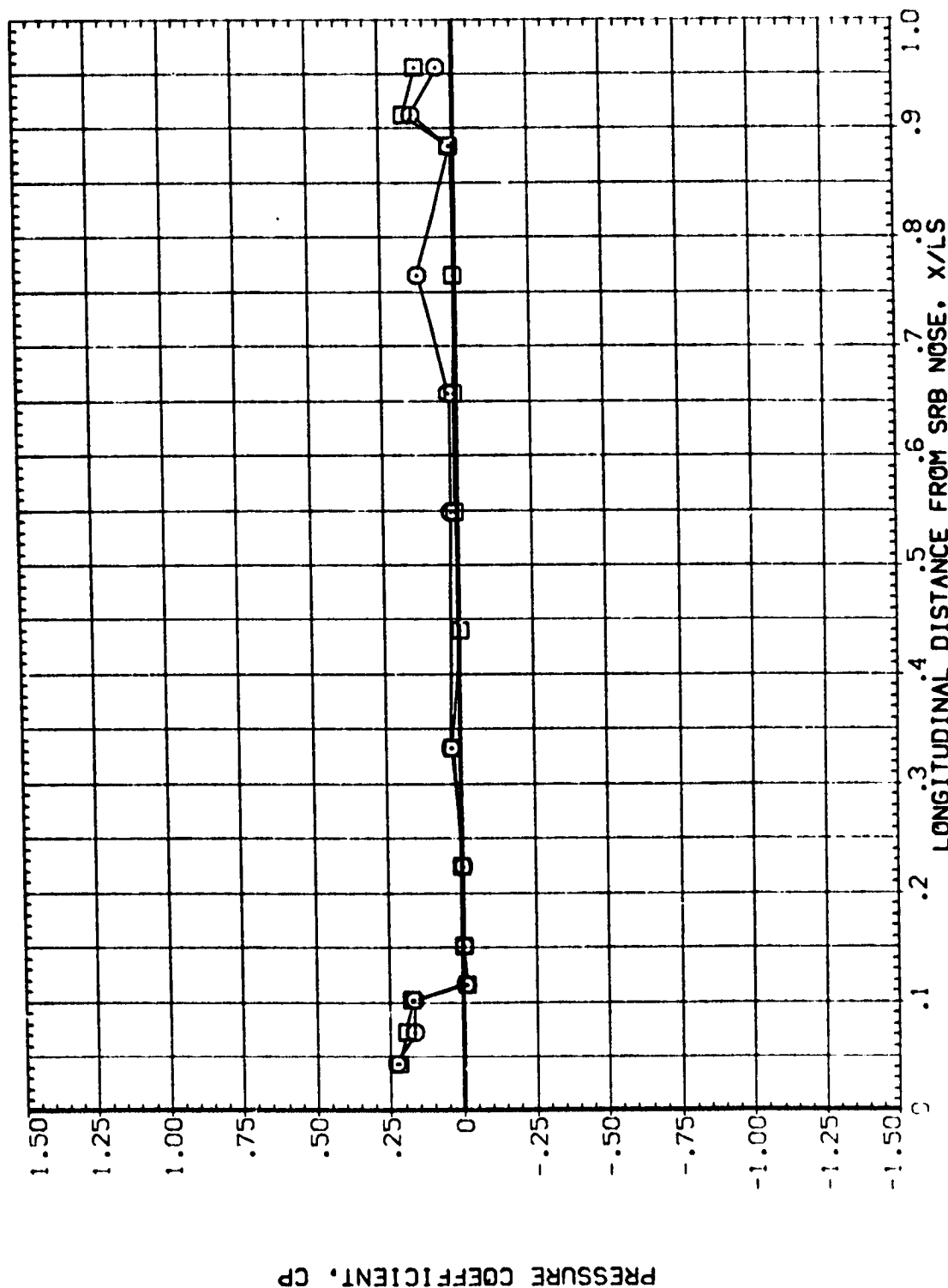
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		ALPHA	PARAMETRIC VALUES		
				SREF	6.199		CONF IG	90.000	
○	270.000	.000	3.500	LREF	5.313	DELTA Z	RLODER	.000	
□	292.500			BREF	5.313	X-SRB	ORRINC	.140	
◇	315.000			XMRP	2.549			.000	
				ZMRP	.572			.000	
					.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

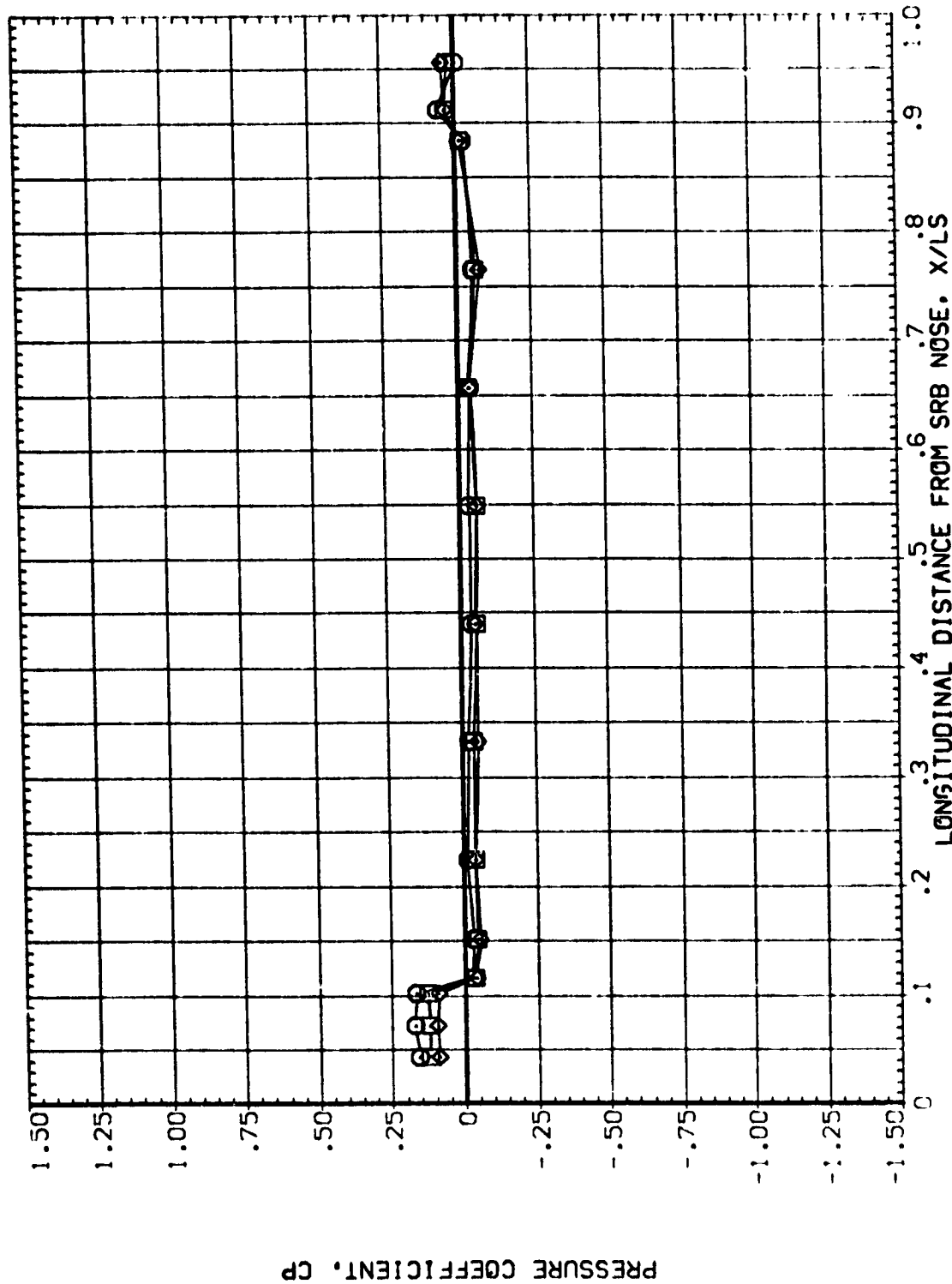
SYMBOL	PHI		BETA		MACH		REFERENCE DATA				PARAMETRIC VALUES			
	337.500	360.000	.000	.000	3.500	3.500	SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG. IN.	IN.
○							6.198	5.313	5.313	2.549	.972	.000	90.000	.000
□													CONF IG	RUDDER
													.140	.000
													ORB INC	.500
													DELTA Z	X-SRB



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VAL			
				SREF	6.198	50. IN.	ALPHA	CONF IG	90.000
□	.000	8.000	3.500	LREF	5.313	IN.	DELTA Z	RUDER	.000
□	22.500			BREF	5.313	IN.	X-SRB	ORBIT	.500
◇	45.000			XMRP	2.549	IN.			
				YMRP	.972	IN.			
				ZMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(IA32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

SYMBOL
 ○
 □
 ◇

PMI
 67.500
 90.000
 112.500

BETA
 8.000

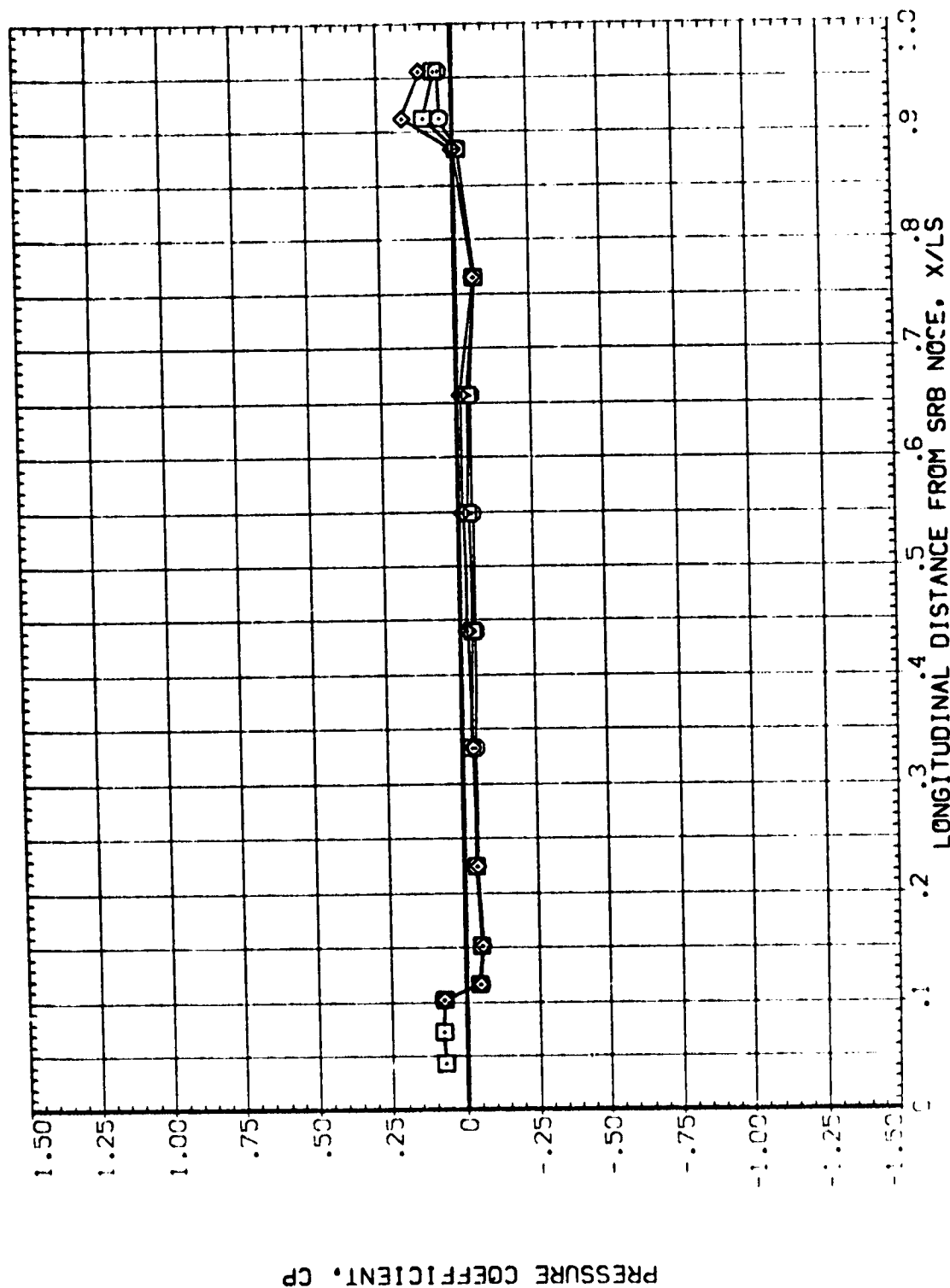
MACH
 3.500

REFERENCE DATA
 SREF 6.198
 LREF 5.313
 BREF 5.313
 XMRP 2.549
 YMRP .972
 ZMRP .000

SO.IN.
 IN.
 IN.
 IN.
 IN.

ALPHA
 DELTAZ
 X-SRB

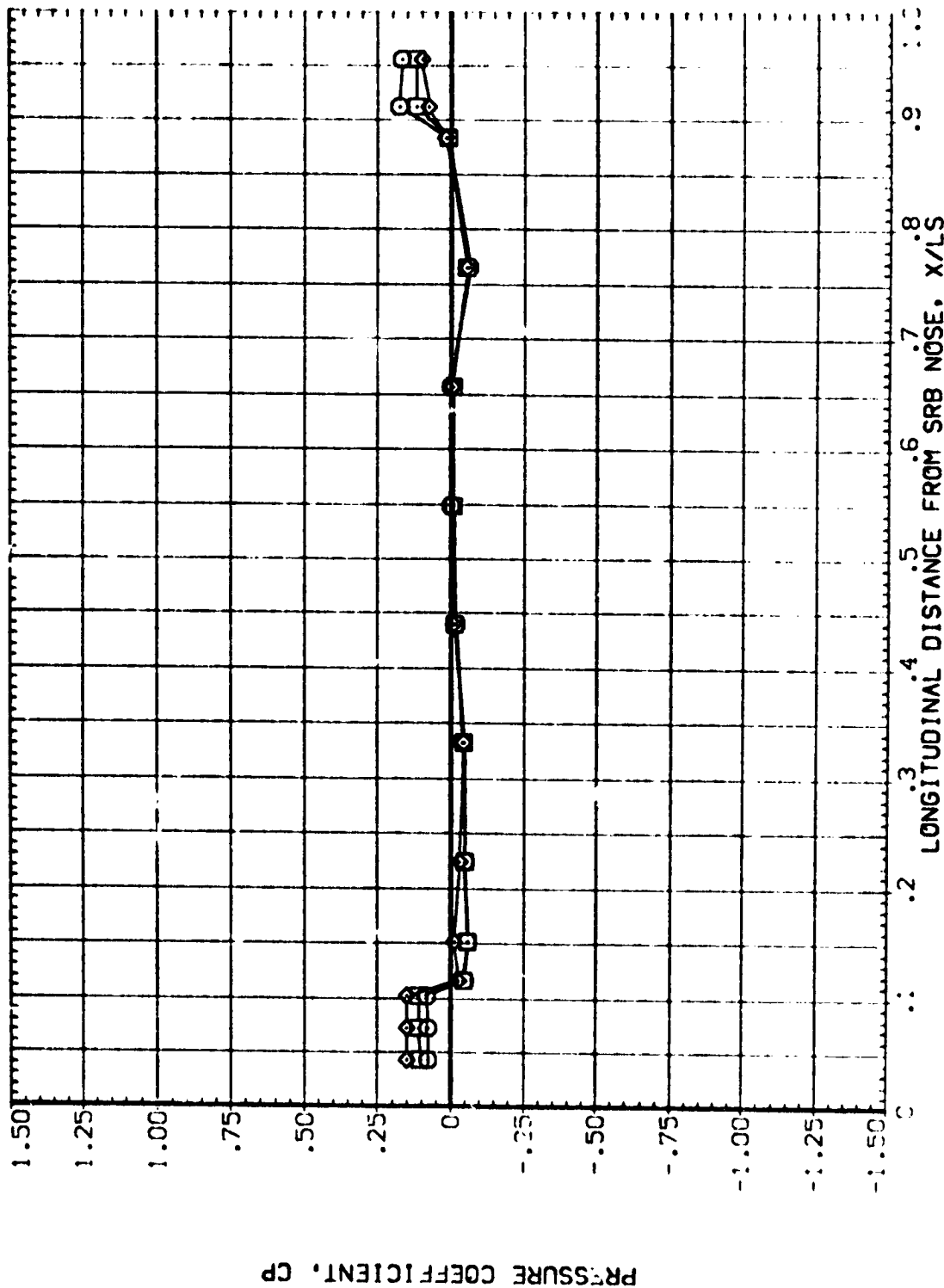
PARAMETRIC VALUES
 .000 CONF 16
 .140 RUDDER
 .000 ORBINC
 90.000
 .000
 .500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

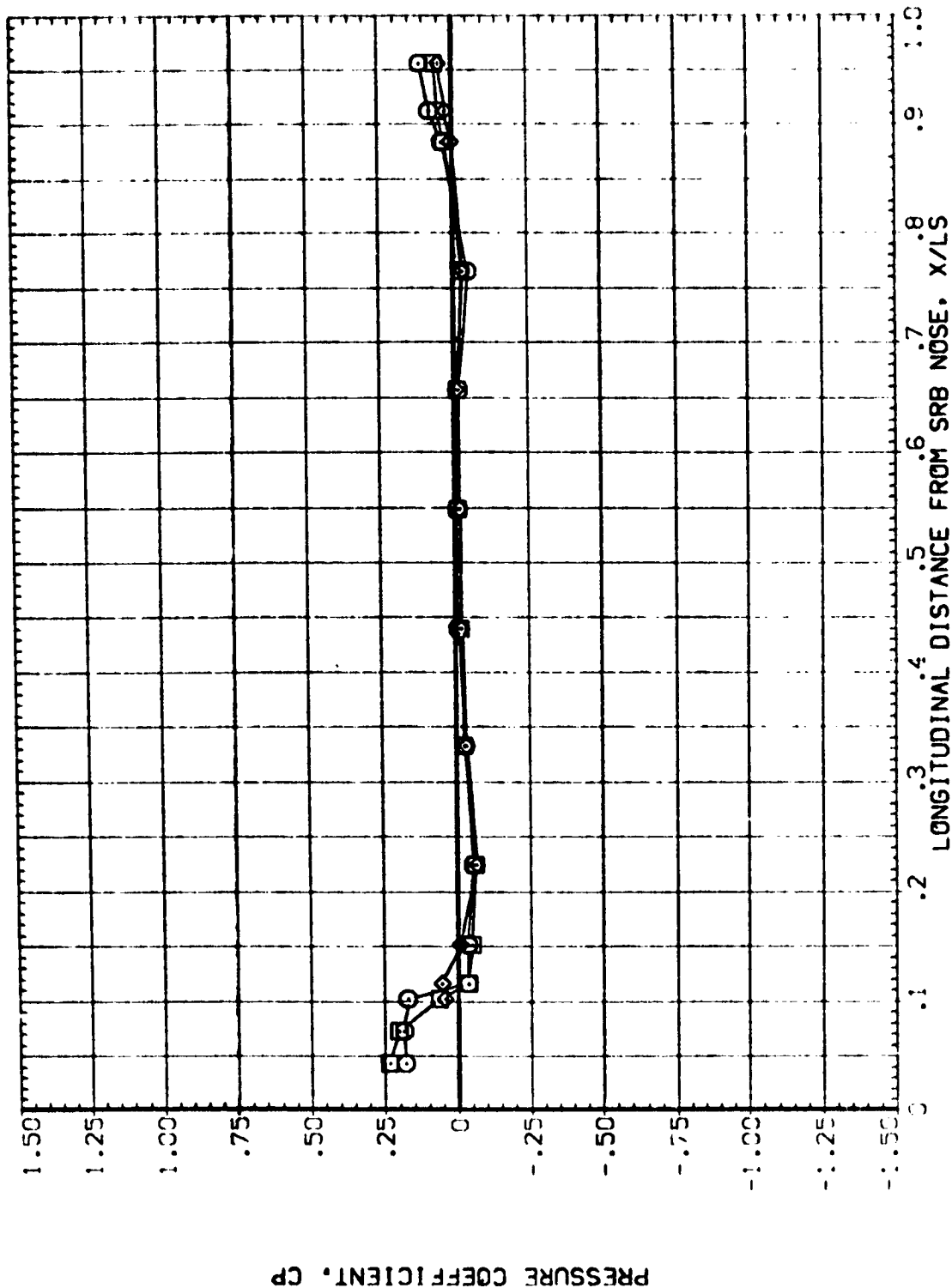
SYMBOL	PHI	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	SO. IN.	ALPHA
○	135.000	8.000	3.500	6.198	5.313	5.313	2.549	.972	.000	CONF IG	DELTA Z
□	157.500									.140	RUDER
◇	180.000									.000	ORBIT INC
										.500	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

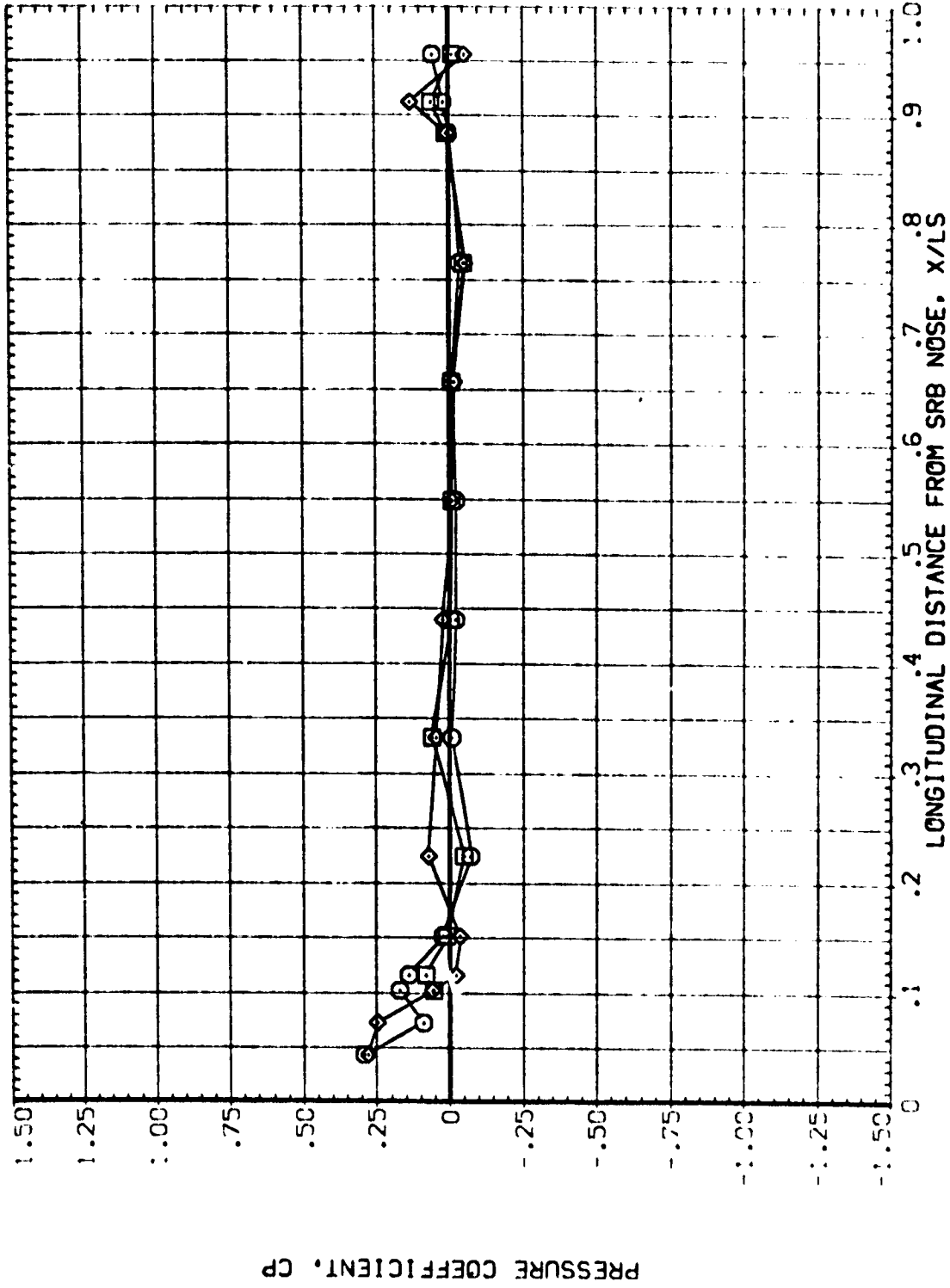
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	ALPHA	CONF IG	90.000
○	202.500	8.000	3.500	LREF	5.313	DELTA Z	R.ODD	.000
□	225.000			BREF	5.313	X-SRB	CSJINC	.500
◇	247.500			XPRP	2.549			
				YPRP	.972			
				ZPRP	.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

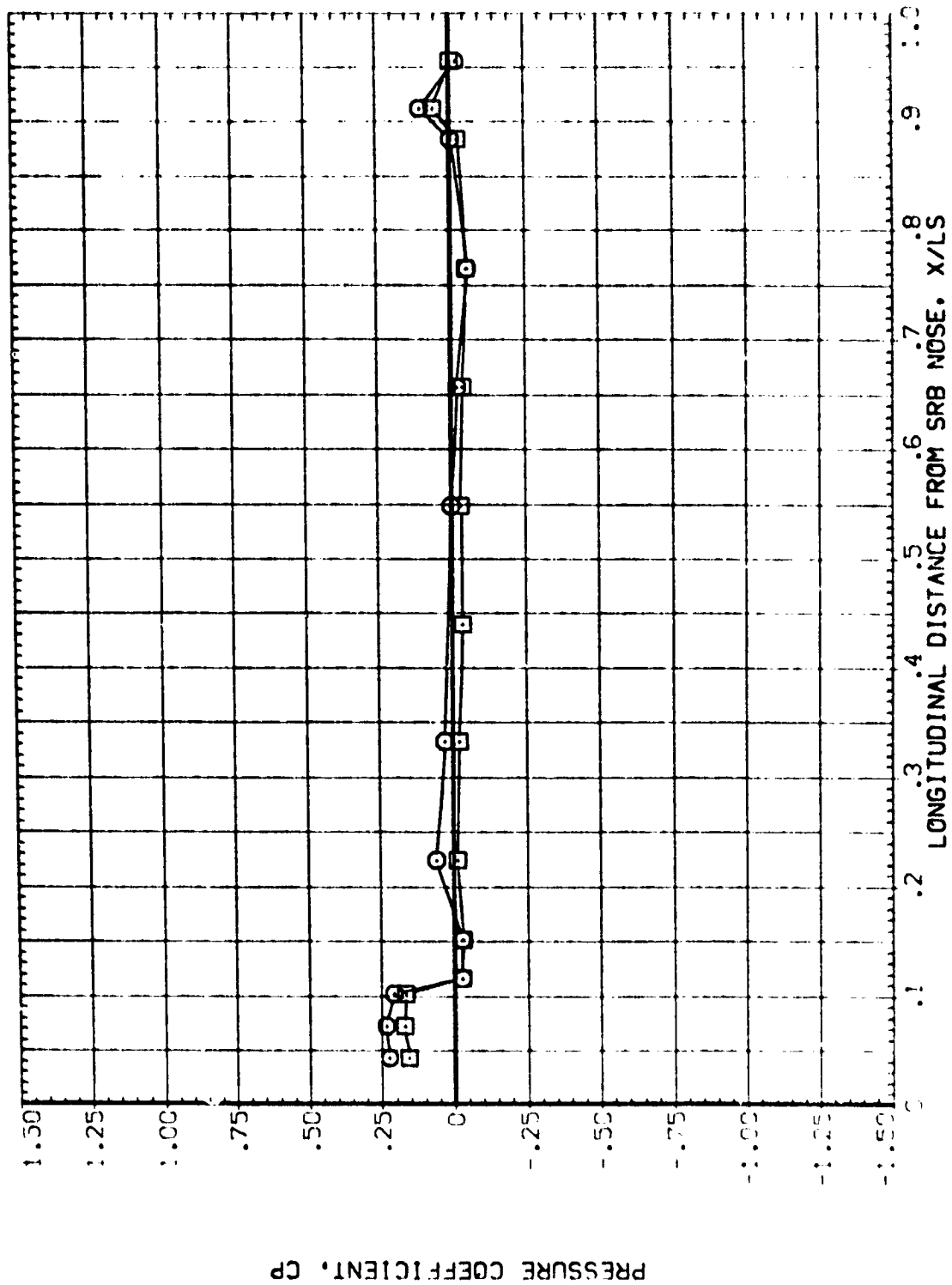
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.199	SO. IN.	ALPHA	CONF IG	90.000
□	270.000	8.000	3.500	LREF	5.313	IN.	DELTA Z	RUDER	.000
○	292.500			BREF	5.313	IN.	X-988	ORBIT NC	.500
◇	315.000			XPRP	2.549	IN.			
				YPRP	.972	IN.			
				ZPRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S06)

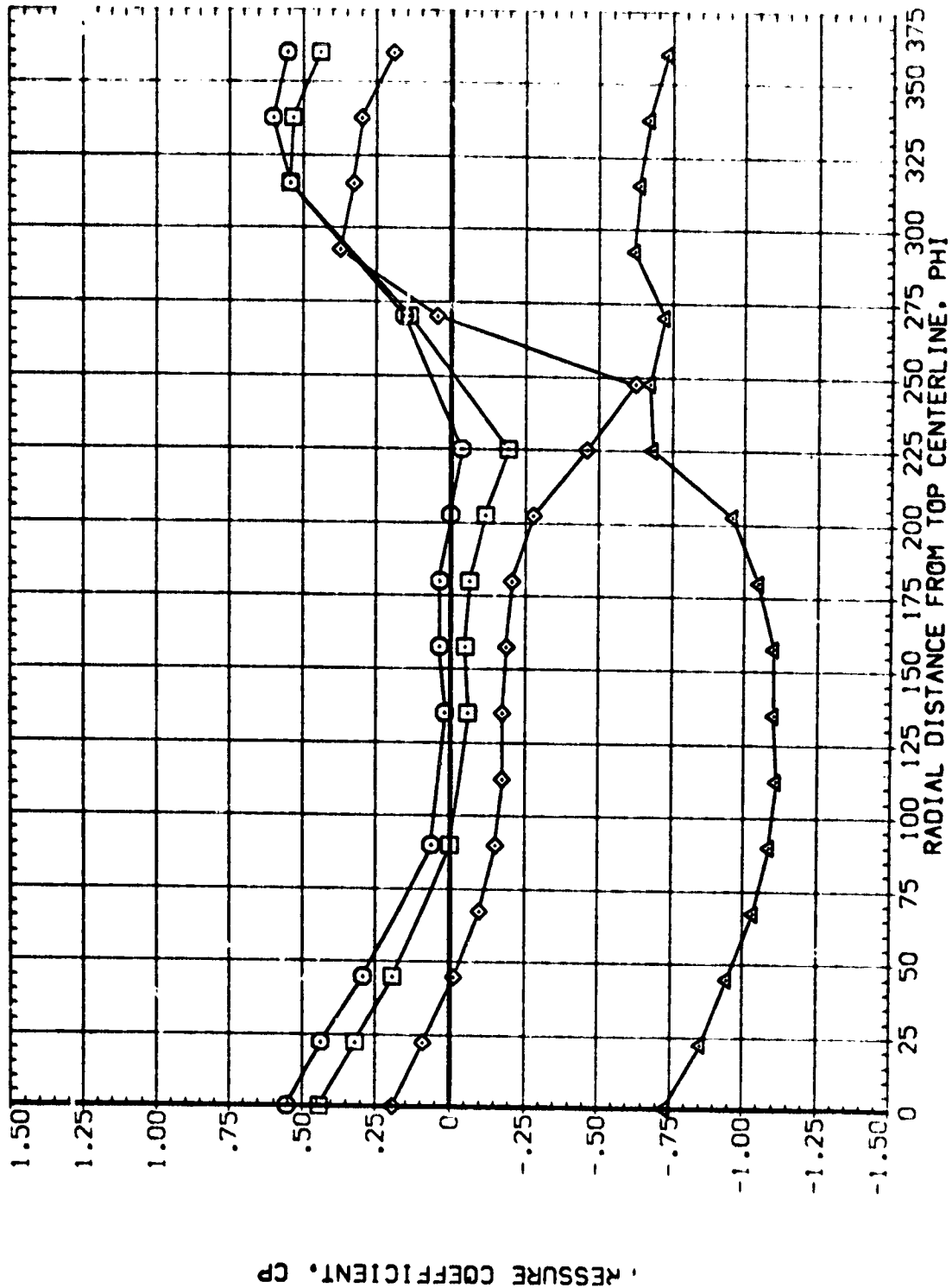
SYMBOL	PHI	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SO. IN.	ALPHA	CONF IG	90.000
<input type="checkbox"/>	337.500	8.000	3.500	LREF	5.313	IN.	DELTA Z	RUDDER	.000
<input type="checkbox"/>	360.000			BREF	5.313	IN.	X-SRB	098 INC	.500
				XMRP	2.549	IN.			
				YMRP	.972	IN.			
				ZMRP	.000	IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

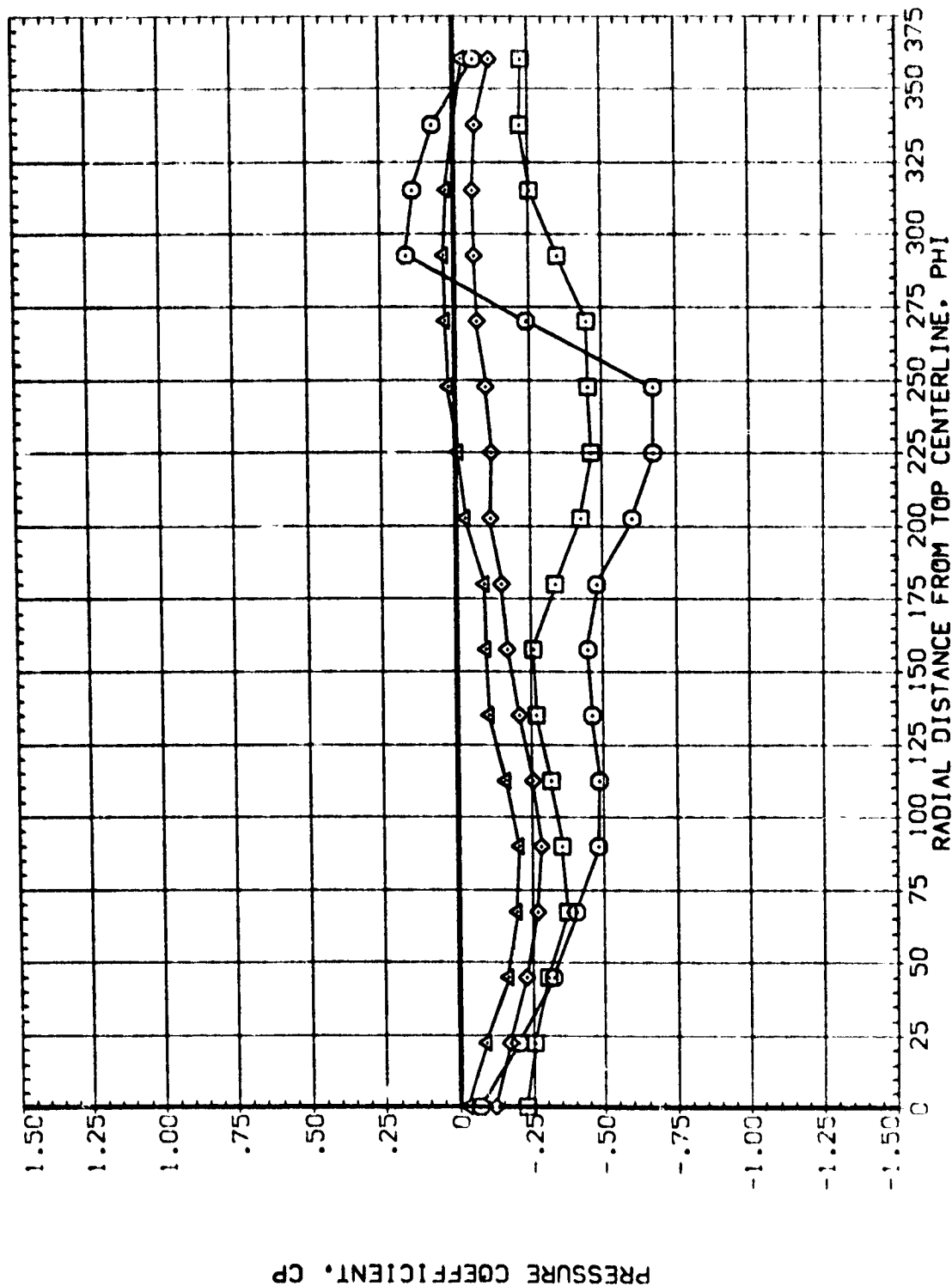
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONFIG	RUDDER	ORBIT
○	.043	-8.000	.500	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.500
□	.072							X-SRB	.000		
◇	.101										
△	.116										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

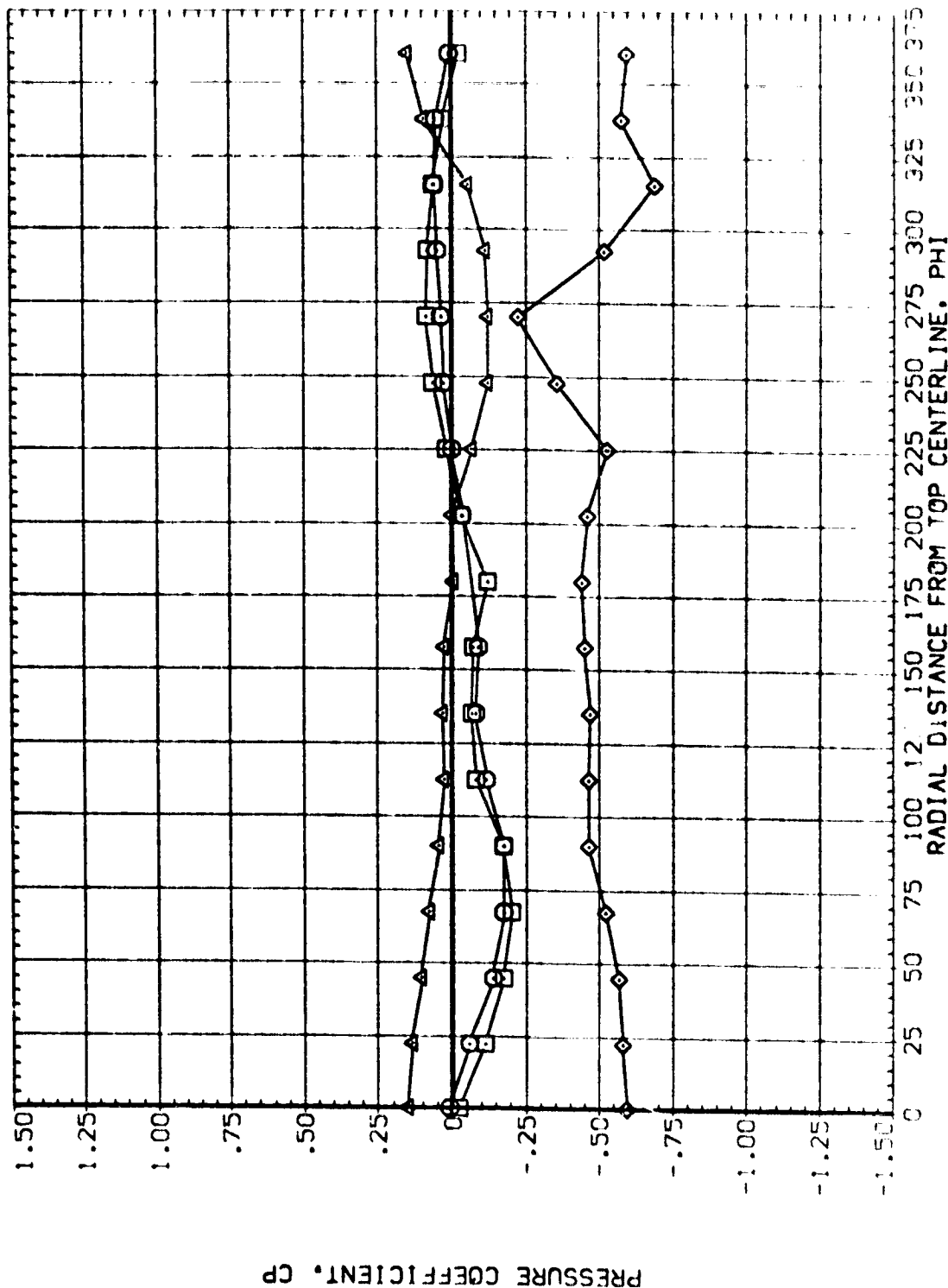
SYMBOL	X/LS		ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
	.152	.224			SREF	5.198	50. IN.	BETA	.000	CL-FIG	90.000	
○			-8.000	.900	LREF	5.313	IN.	DELTA Z	.140	RUDER	.000	
□					BREF	2.549	IN.	X-SRB	.000	ORBITAL	.500	
◇					YMRP	.572	IN.					
△					ZMRP	.000	IN.					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

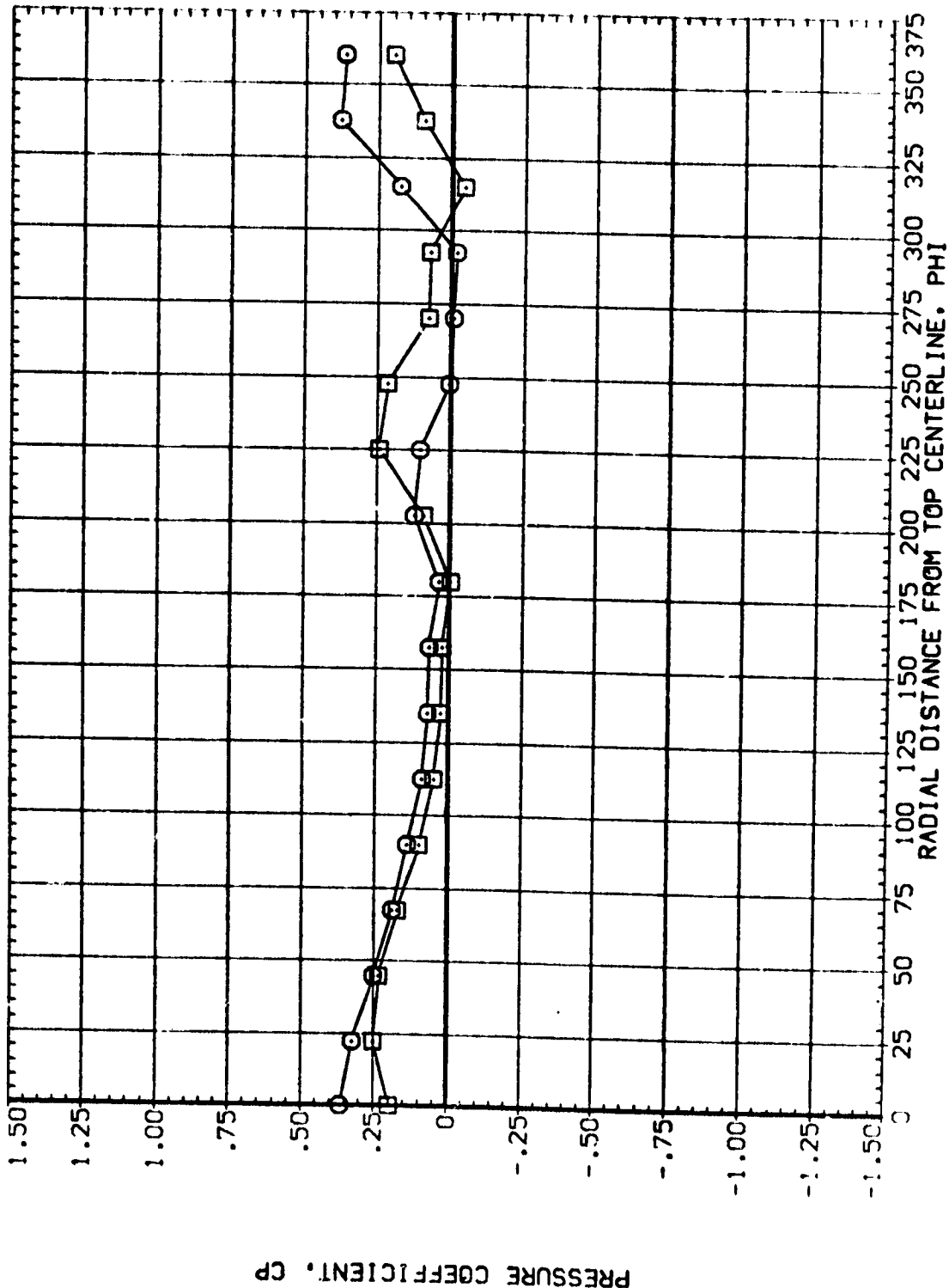
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONF16	CONF15	CONF14
□	.549	-8.000	.900	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	RUDDER
◇	.657			2.549	.972	.000		X-SRB	.000	.000	ORBITAL
△	.765										
△	.883										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

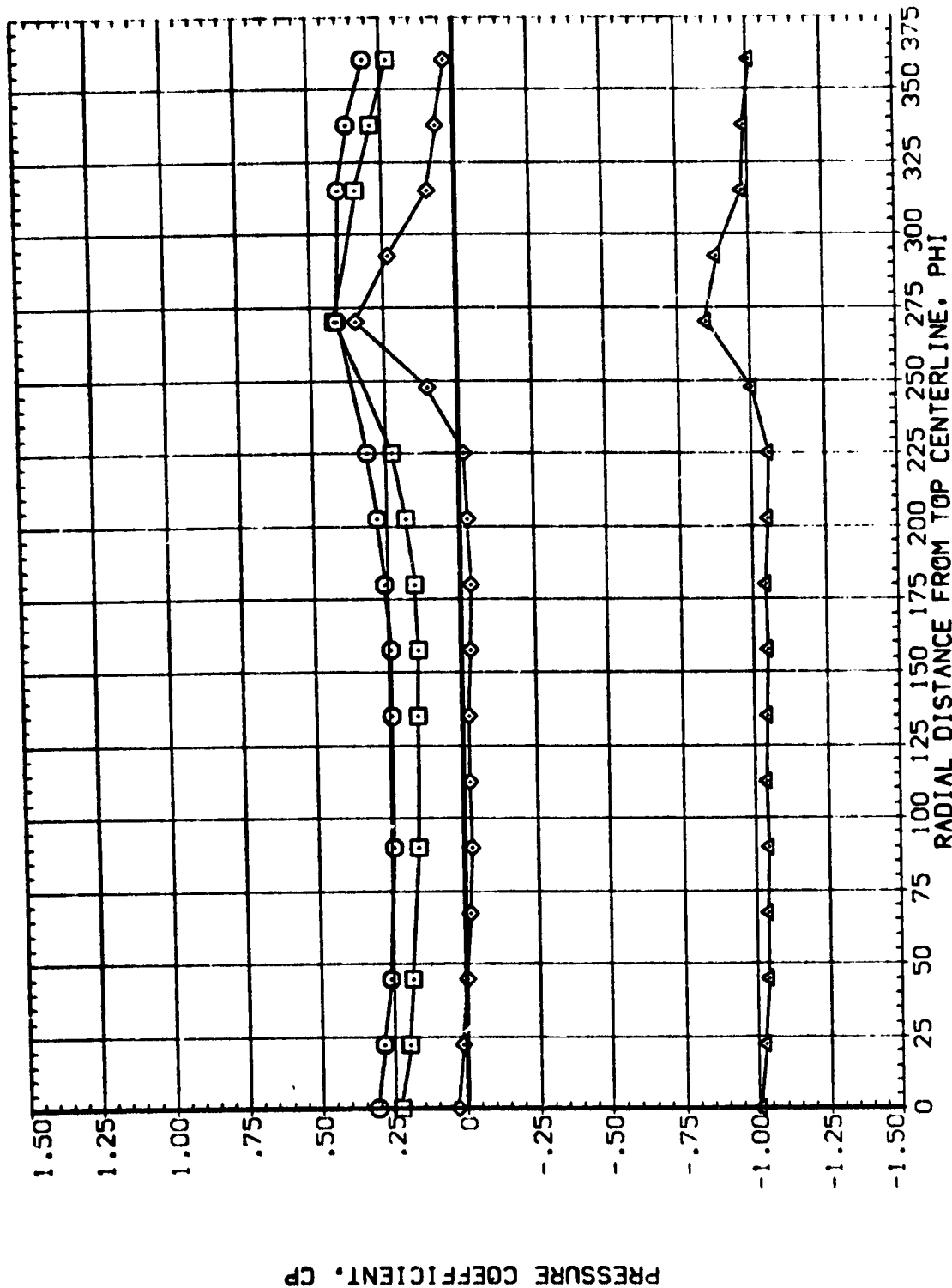
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	DELTA Z	CONF IG	50.000
○	912	-8.000	.500	6.198	5.313	5.313	2.549	.000	.140	RUDDER	.000
□	.955			.972	.000			X-SRB	DRB INC		.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

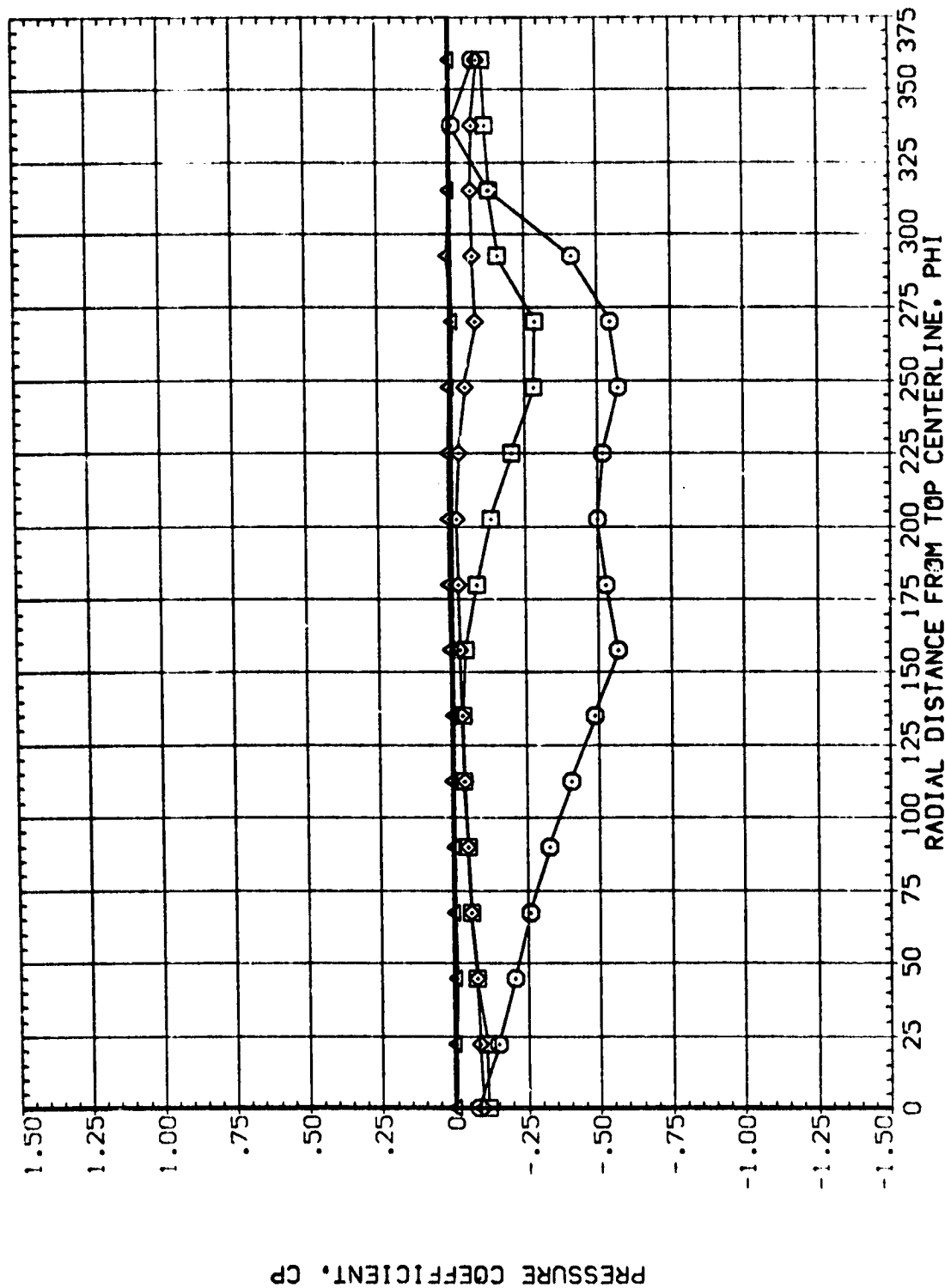
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA	BETA	PARAMETRIC VALUES
○	.043	.000	.500	SREF 6.198	DELTA Z	CONFIG 90.000
□	.072			LREF 5.313	X-SRB	RUDDER .000
◇	.101			BREF 5.313		ORBIT INC .500
△	.116			YREF 2.549		
				ZREF .972		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

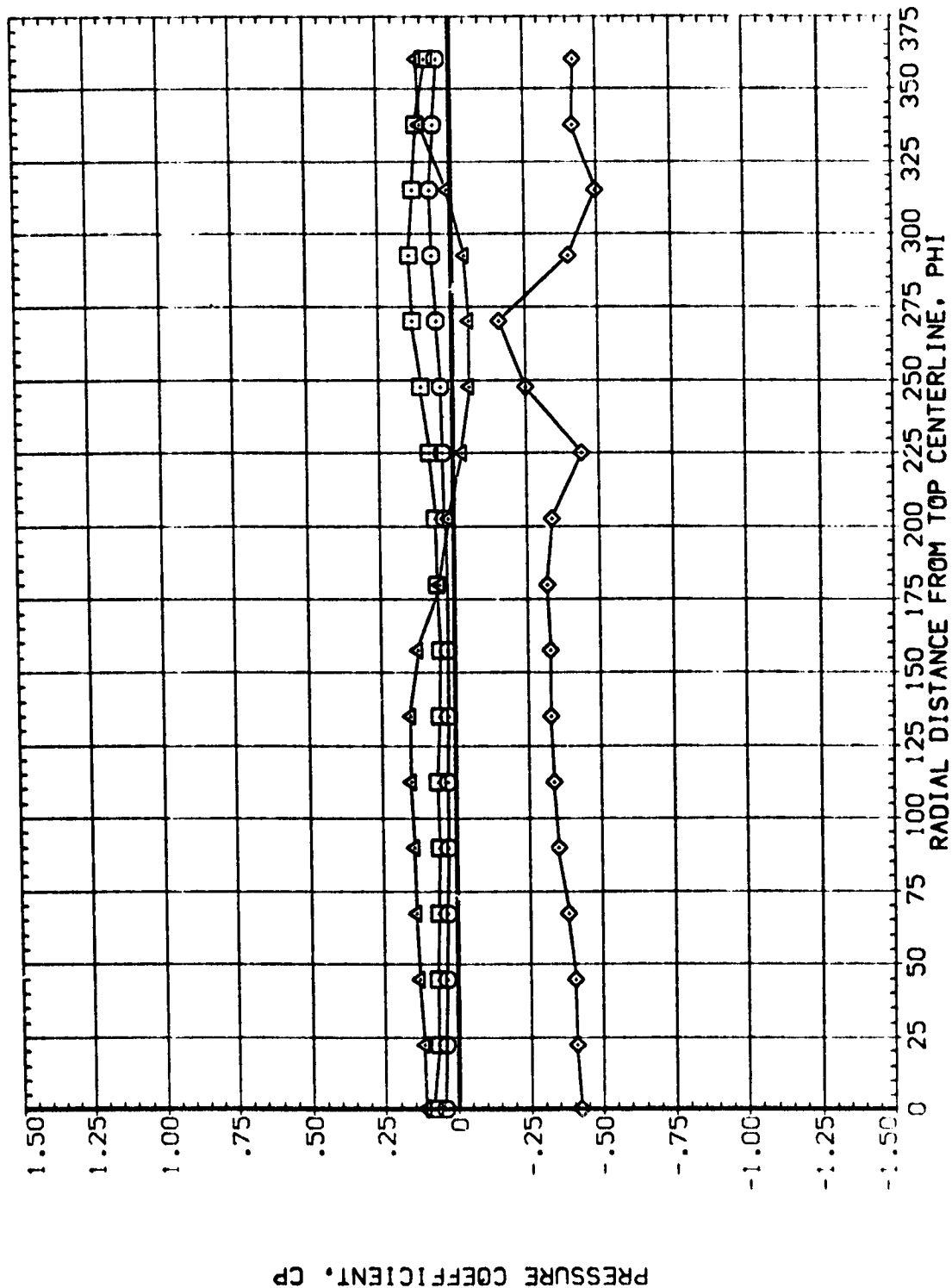
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YREF	BETA	DELTAZ	CONFIS	CONFIS
○	.152	.000	.900	6.198	5.313	5.313	2.549	.000	.140	.000	.000
□	.224	.000	.900	5.313	5.313	5.313	2.549	.000	.140	.000	.000
◇	.332	.000	.900	5.313	5.313	5.313	2.549	.000	.140	.000	.000
△	.440	.000	.900	5.313	5.313	5.313	2.549	.000	.140	.000	.000



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

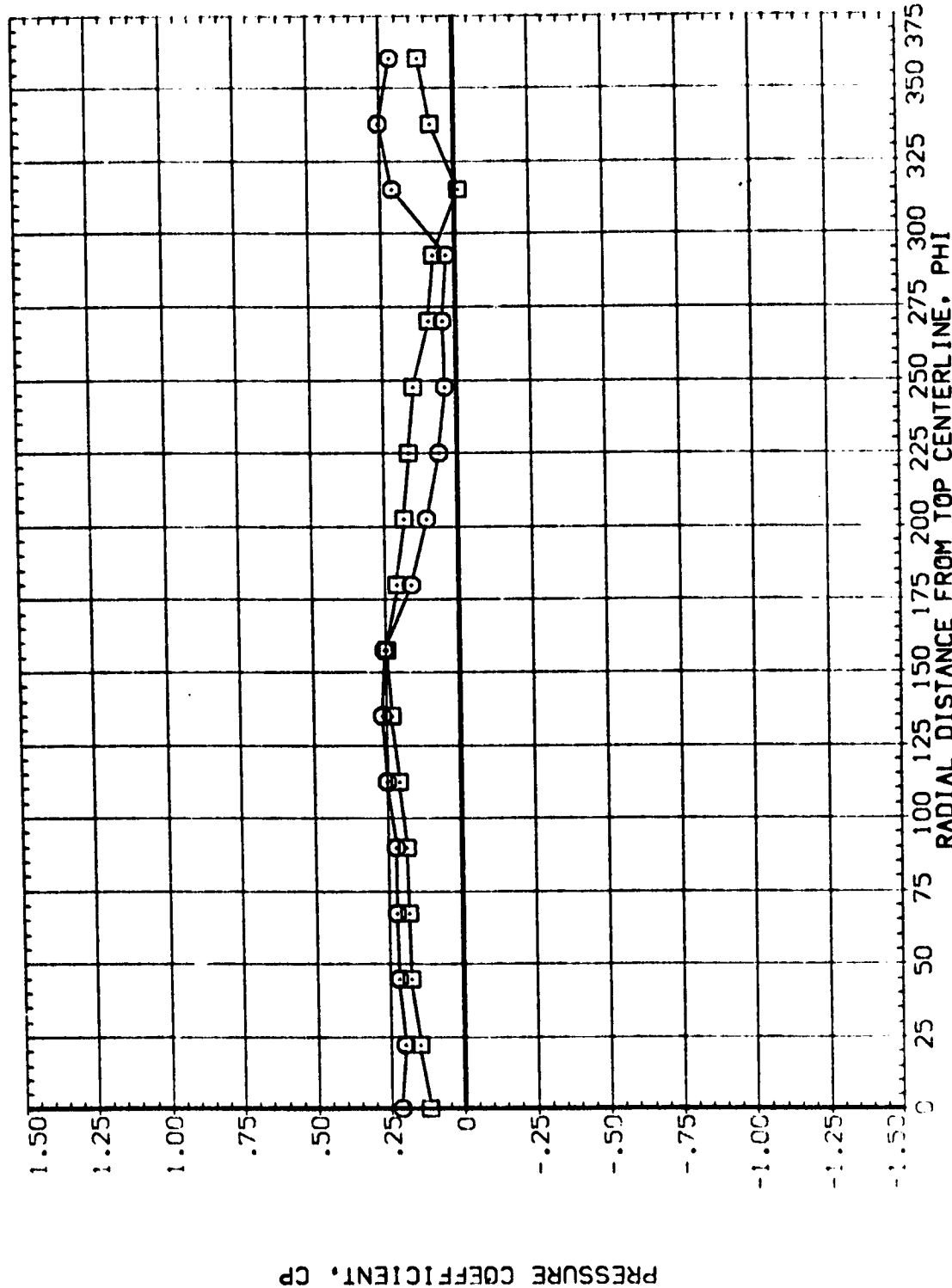
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA	BETA	PARAMETRIC VALUES
○	.545	.000	.900	SREF 6.198	CONF 16	90.000
□	.657	.000	.900	LREF 5.313	DELTA Z	.000
◇	.765	.000	.900	BREF 5.313	RUDDER	.000
△	.883	.000	.900	XPRP 2.548	ORB INC	.500
				YPRP .972		
				ZPRP .000		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

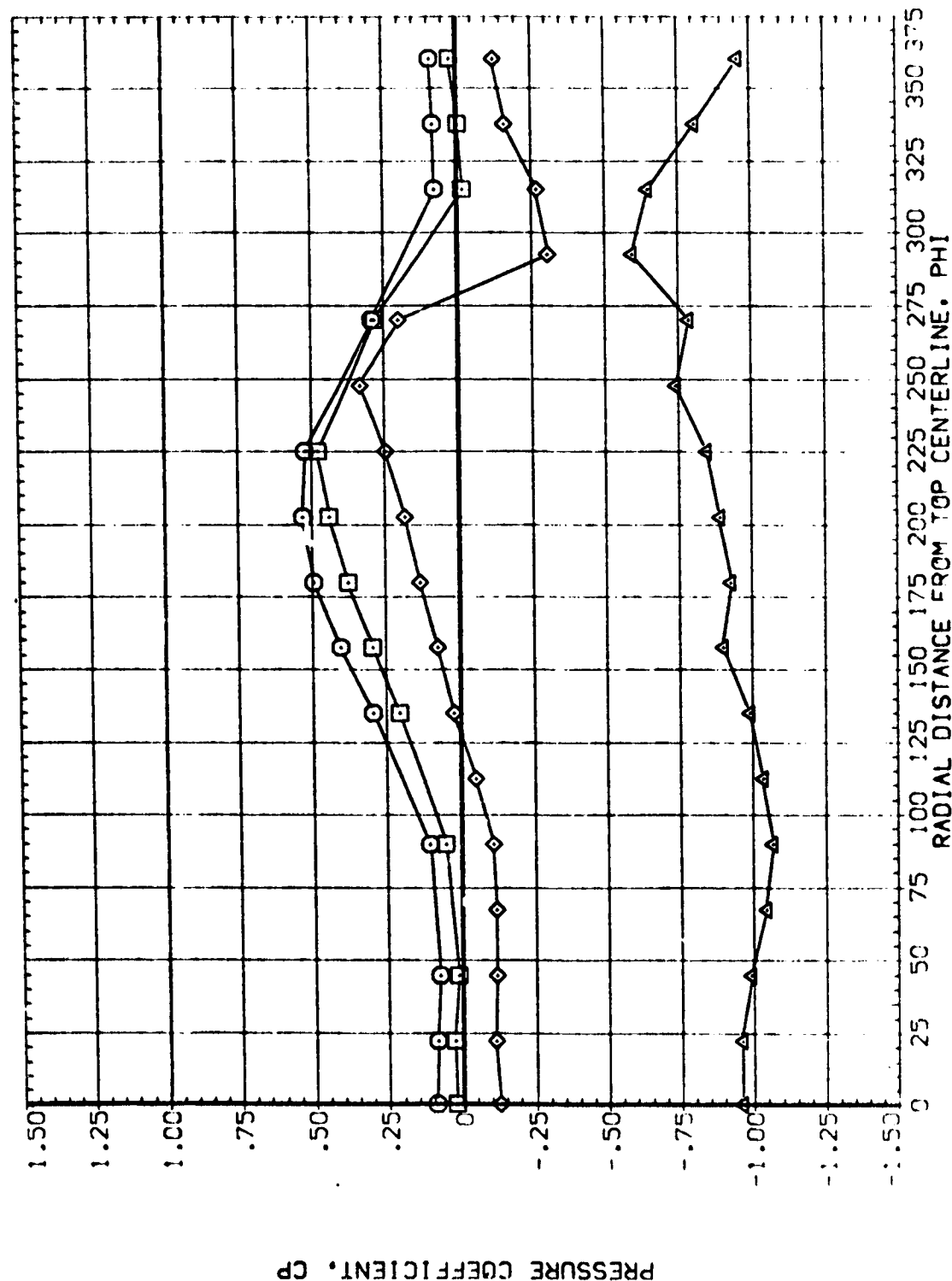
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONF IG	RUDDER	ORBIT INC
○	.912	.000	.900	5.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.955	.000	.900	5.198	5.313	5.313	2.549	X-SRB	.000	.000	.500
				YMRP	YMRP	YMRP	YMRP				
				ZMRP	ZMRP	ZMRP	ZMRP				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

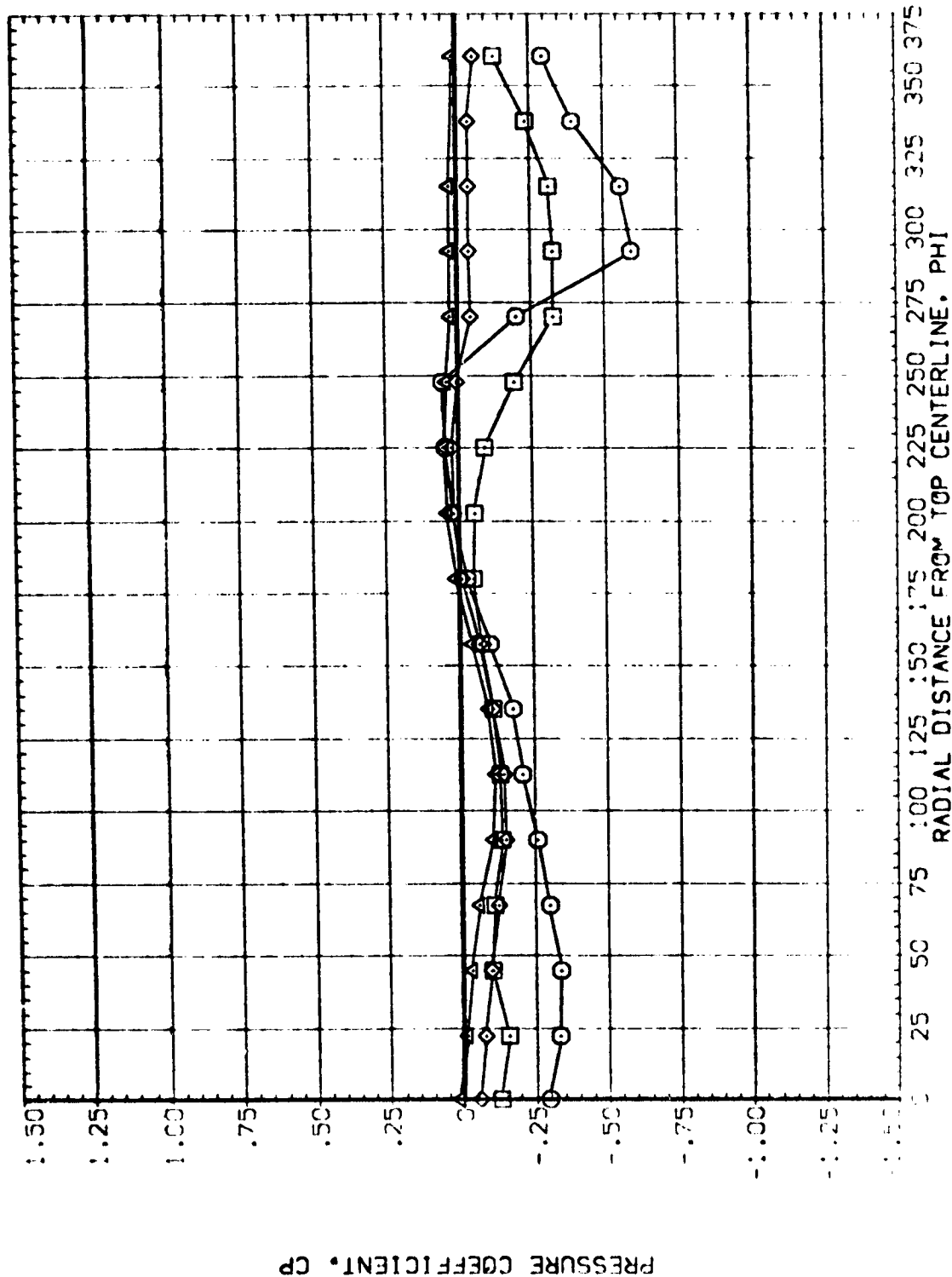
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SG, IN.	BETA	CONF16	CONF16
○	.043	8.000	.900	6.198	5.313	5.313	2.549	IN.	DELTA Z	.000	.000
□	.072							IN.	X-SRB	.140	.000
◇	.101							IN.	RUDDER	.000	.500
△	.116							IN.	ORBITAL		



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

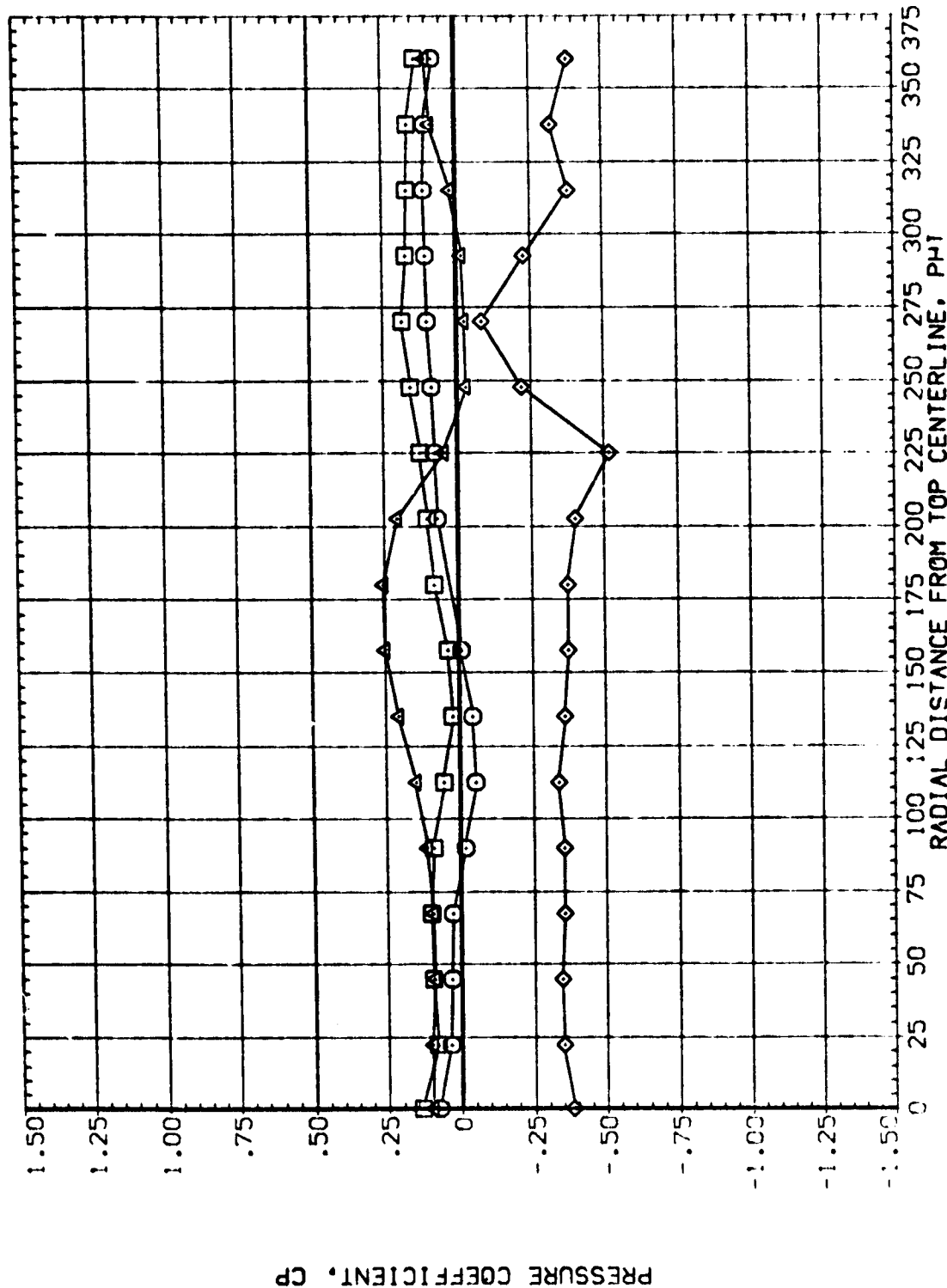
SYMBOL	Y/L S		ALPHA		MACH		REFERENCE DATA		BETA		PARAMETRIC VALUES	
	△	◇	□	○	△	◇	SREF	SO. IN.	DELTA Z	R-ROD	CONF IS	90.000
	.152	.224	.332	.440	8.000	.900	LREF	5.313	X-SRB	.000	.140	.000
							SREF	5.313		.000	.000	.500
							XMRP	2.549				
							VMRP	.972				
							ZMRP	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

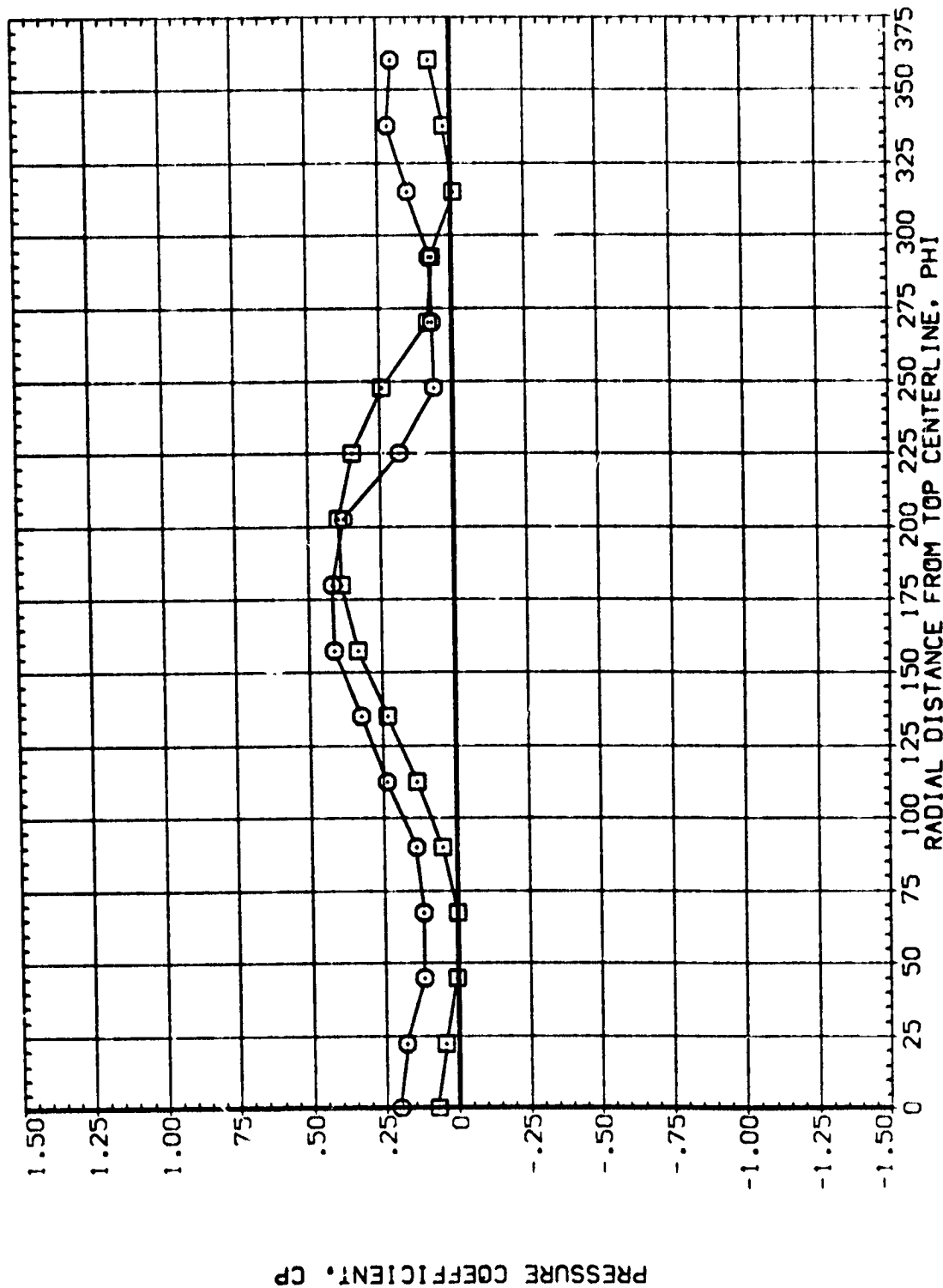
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	BETA	CONF IG
○	.549	8.000	.900	6.198	5.313	5.313	2.549	.972	.000	.000	.000
□	.657									.140	RUDDER
◇	.765									.000	DRB INC
△	.883									.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

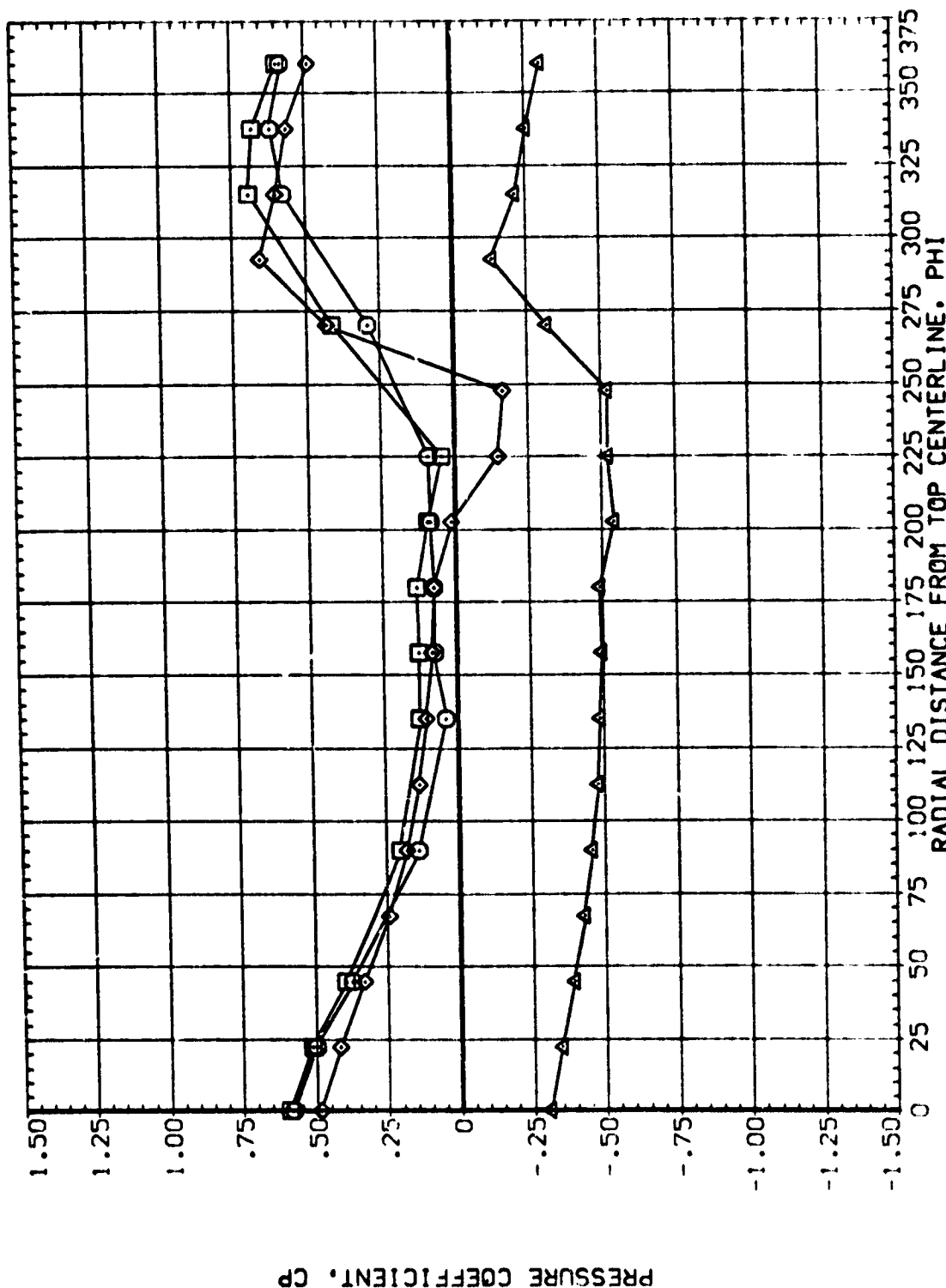
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	CONF IG	RUDDER	ORBITAL
○	.912	8.000	.900	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.955						.972	X-SRB	.000	.000	.500
							.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

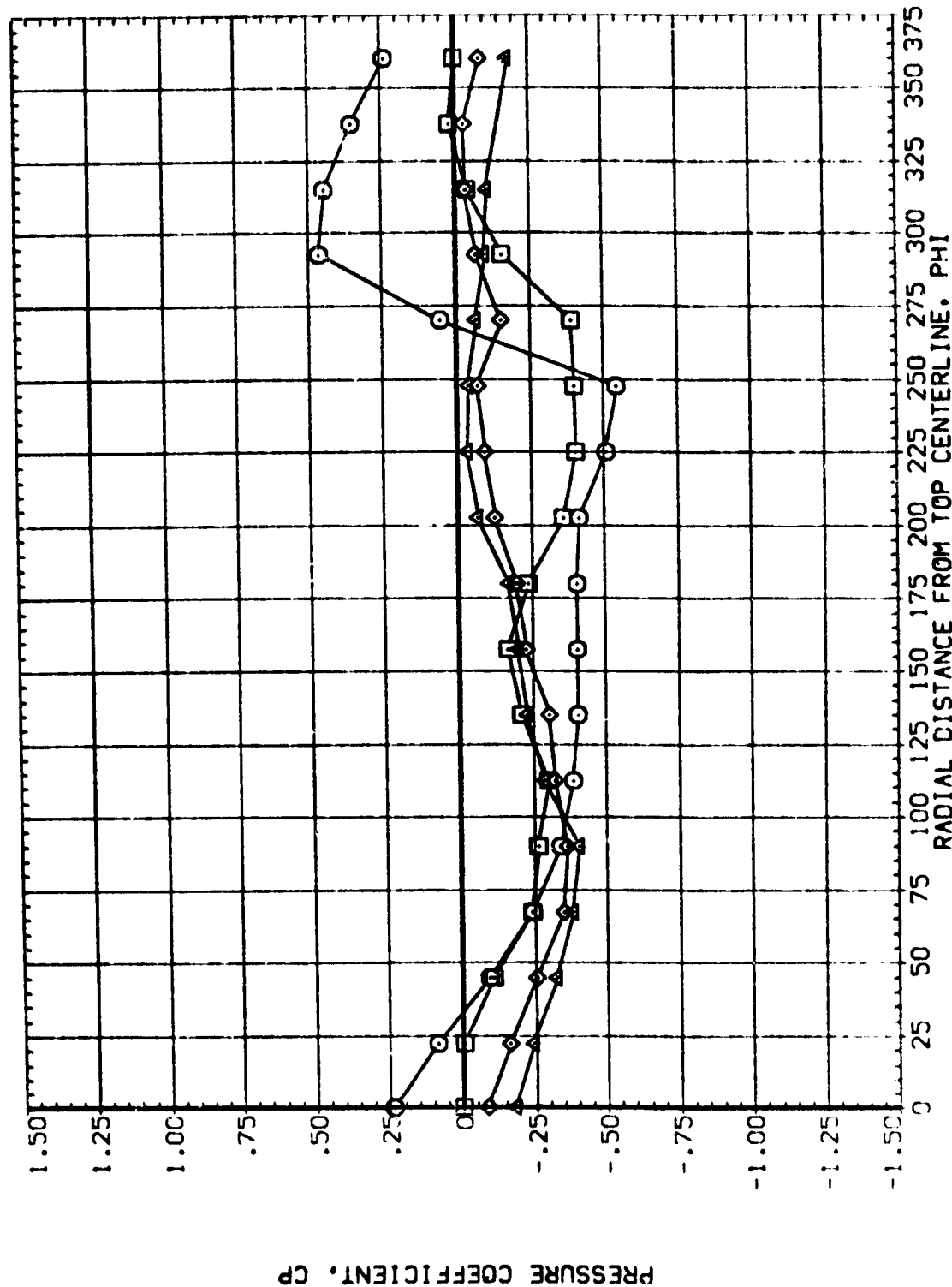
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	VMRP	BETA	DELTA2	CONF IG	90.000
○	.043	-8.000	1.250	6.198	5.313	5.313	2.549	.000	.140	RUDDER	.000
□	.072			5.313	5.313	2.549	.972	.000	.000	ORB INC	.500
◇	.101										
△	.116										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

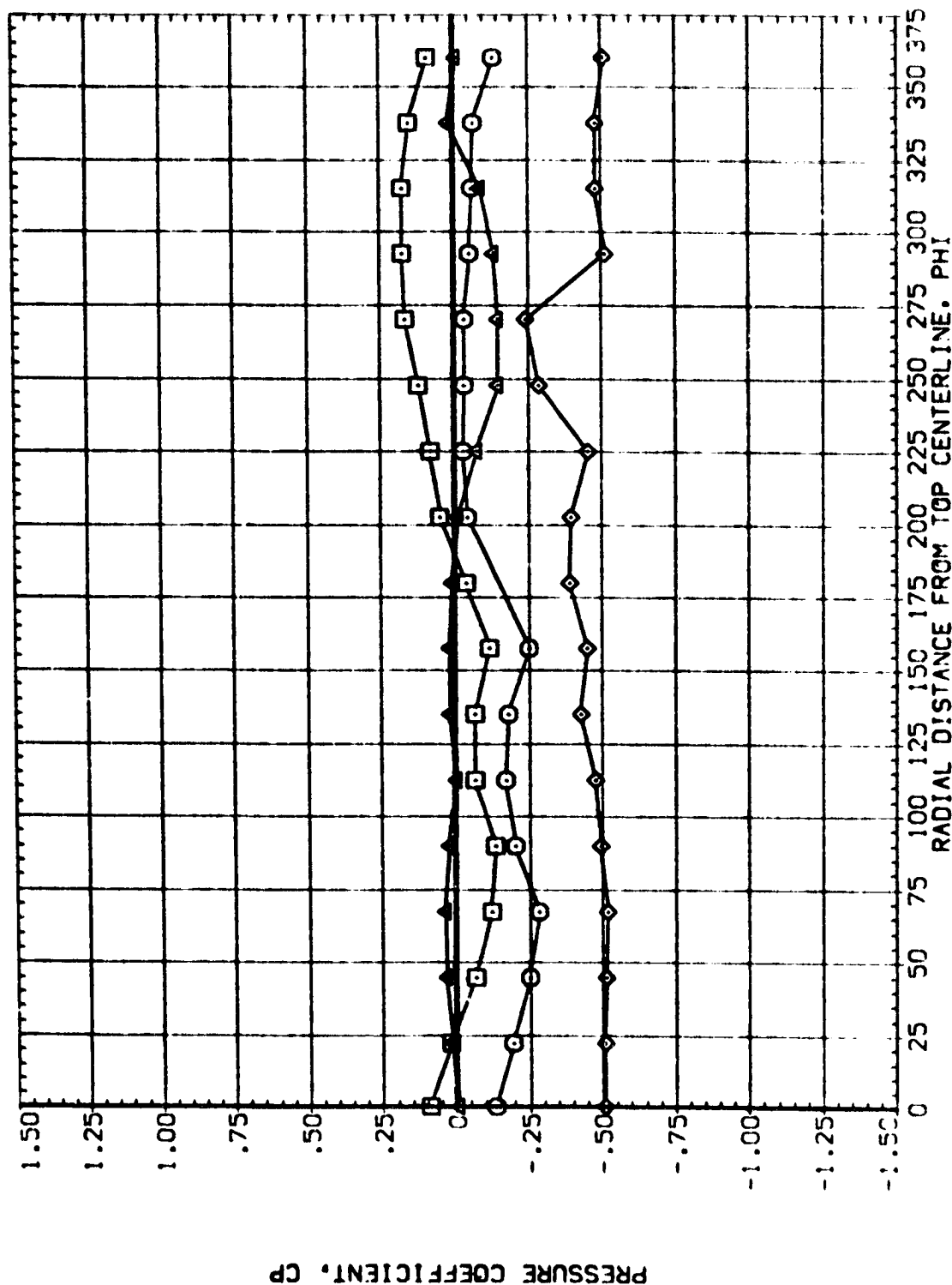
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONFIG	RUDDER	ORBIT INC
○	.152	-8.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.224							X-SRB	.000	.000	.500
◇	.332										
△	.440										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

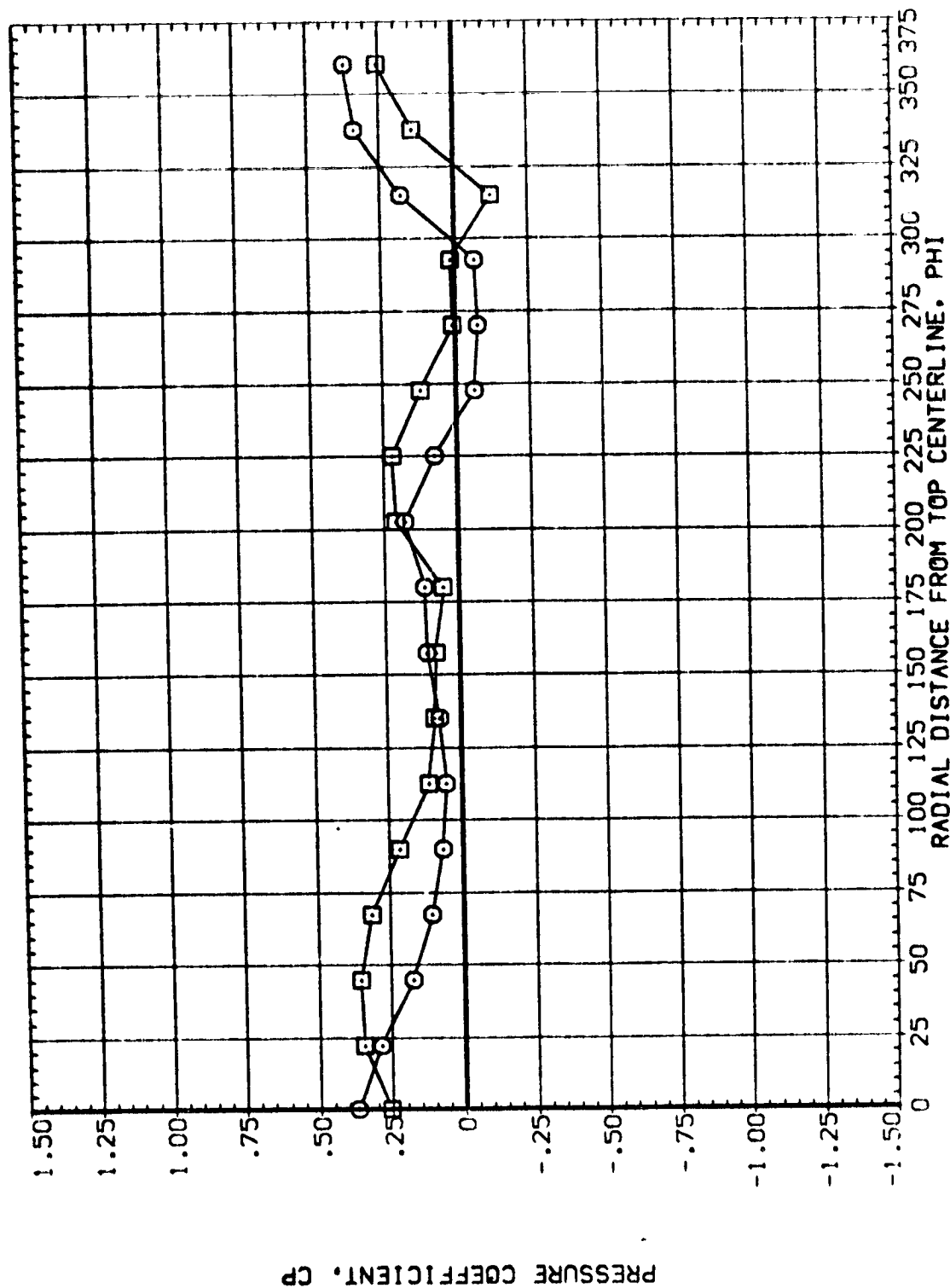
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SRE	5.198	SO. IN.	BETA	.000	CONF IG	90.000	
○	.549	-8.000	1.250	LREF	5.313	IN.	DELTA Z	.140	RUDDER	.000	
□	.657			BREF	5.313	IN.	X-SRB	.000	ORBIT INC	.500	
◇	.765			VREF	2.549	IN.					
△	.865			ZREF	.972	IN.					



MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

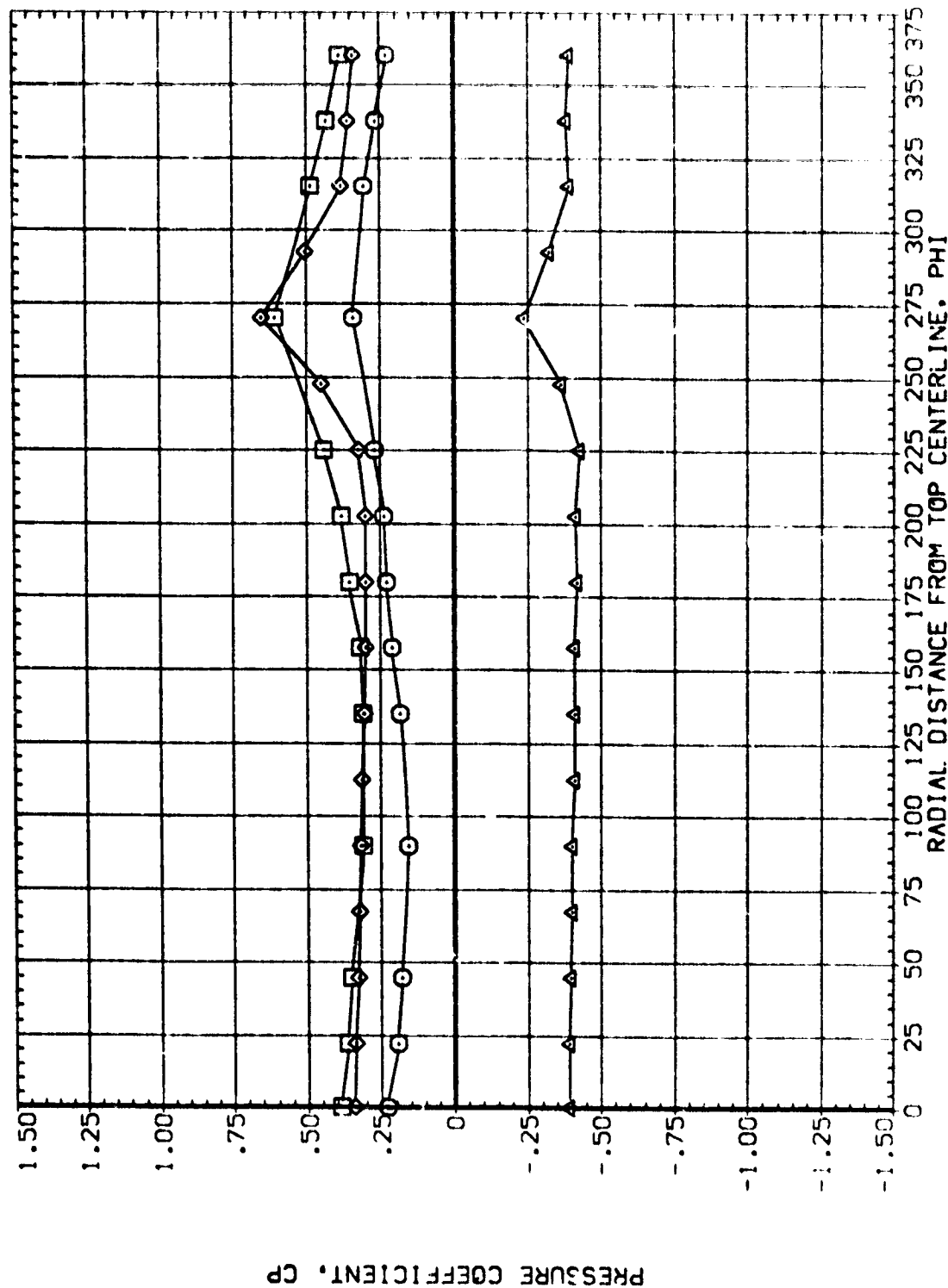
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONFIS	RUDDER	998INC
○	.912	-8.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.955			YMRP	ZMRP			X-598	.000	.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

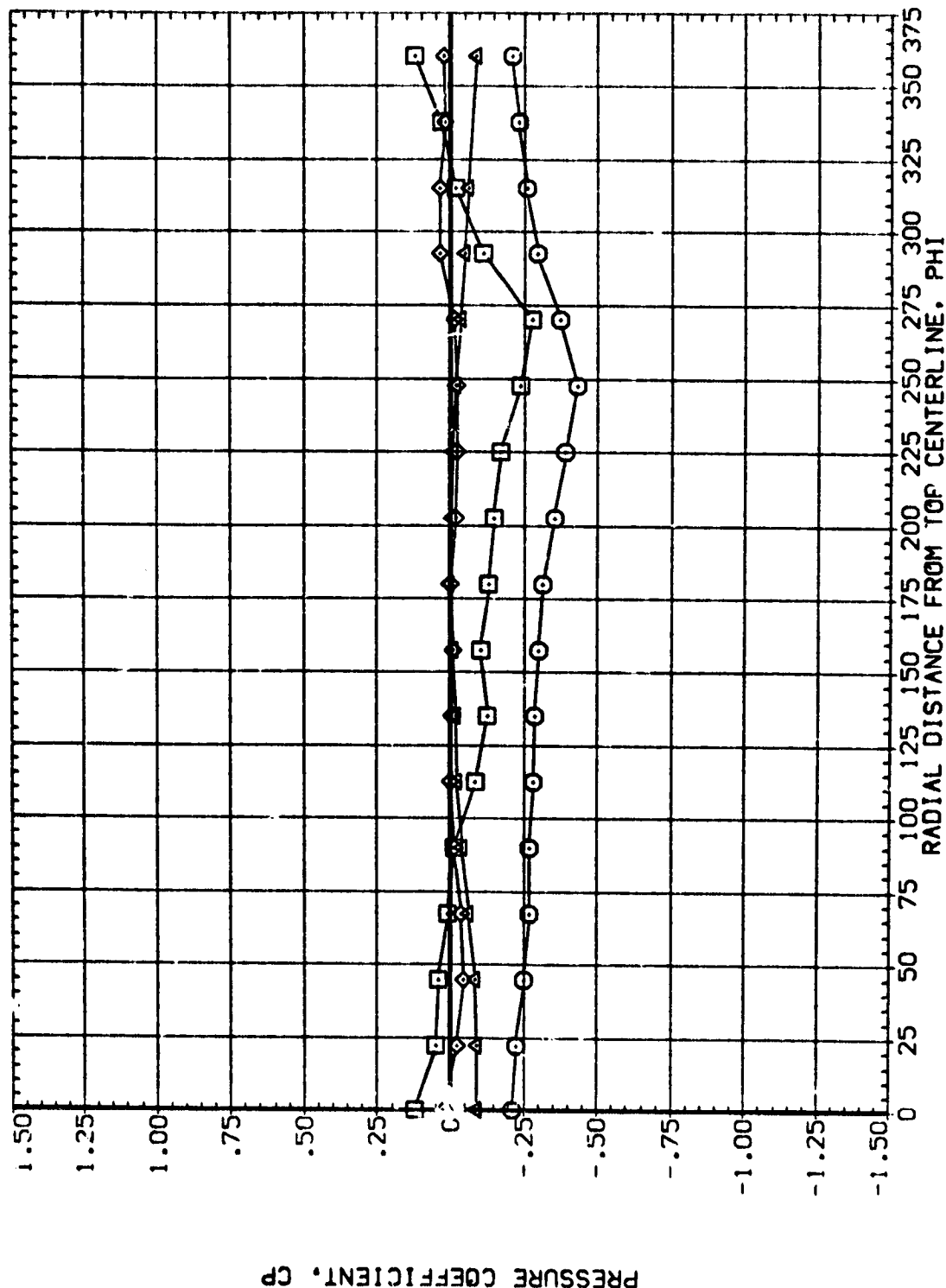
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	BETA	CONFIG	
○	.043	.000	1.250	6.198	DELTA Z	.000	50.000
□	.072			5.313	X-SRE	.140	.000
◇	.101			2.549		.000	.500
△	.116			.972		.000	
				.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

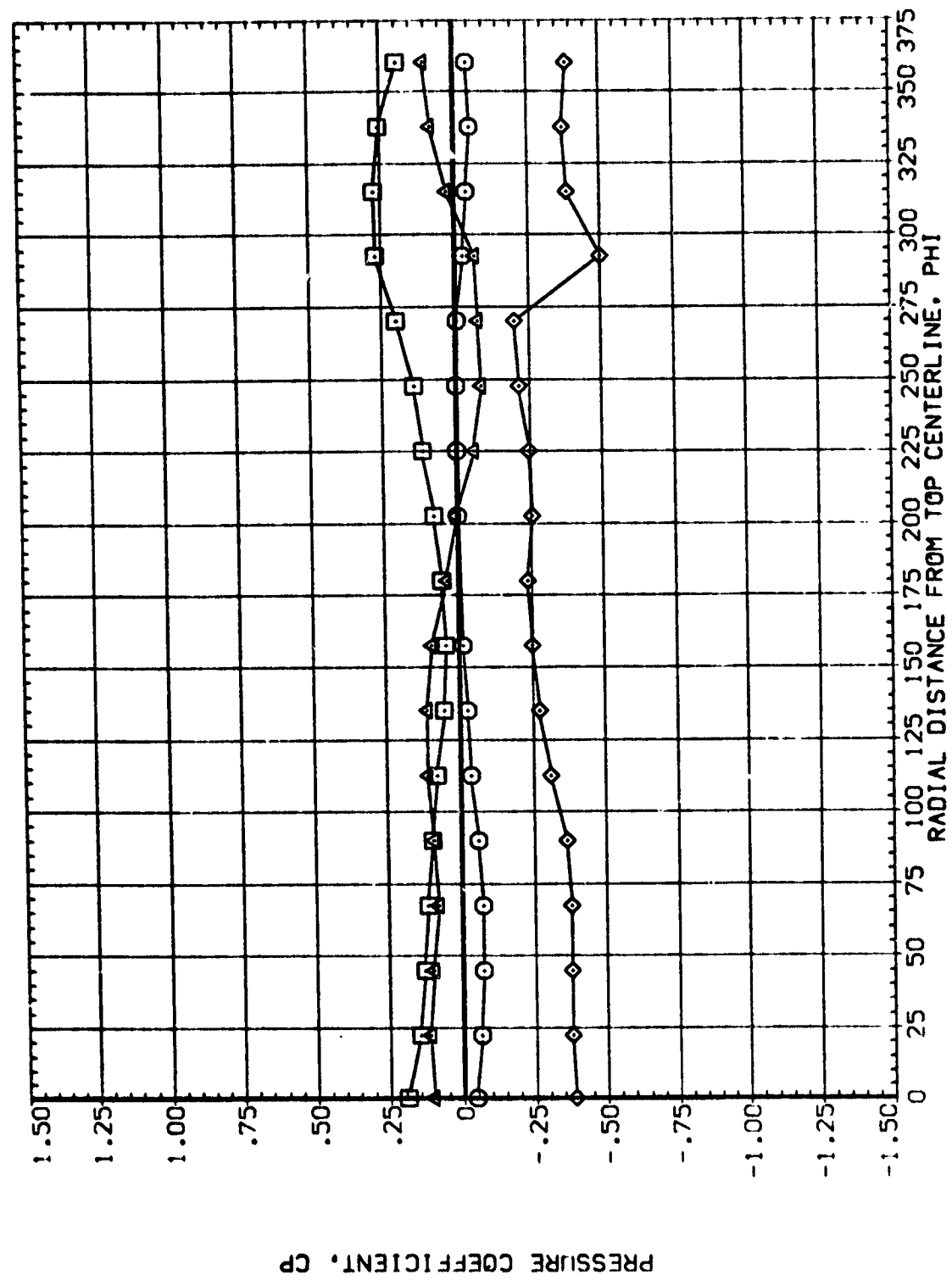
SYMBOL	X/S	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	BETA	CONF IG	50.000	
○	.152	.000	1.250	LREF	5.313	DELTA Z	RUDDER	.000	
□	.224			XMRP	2.549	X-SRB	ORB'NC	.000	
◇	.332			YMRP	.572			.500	
△	.440			ZMRP	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

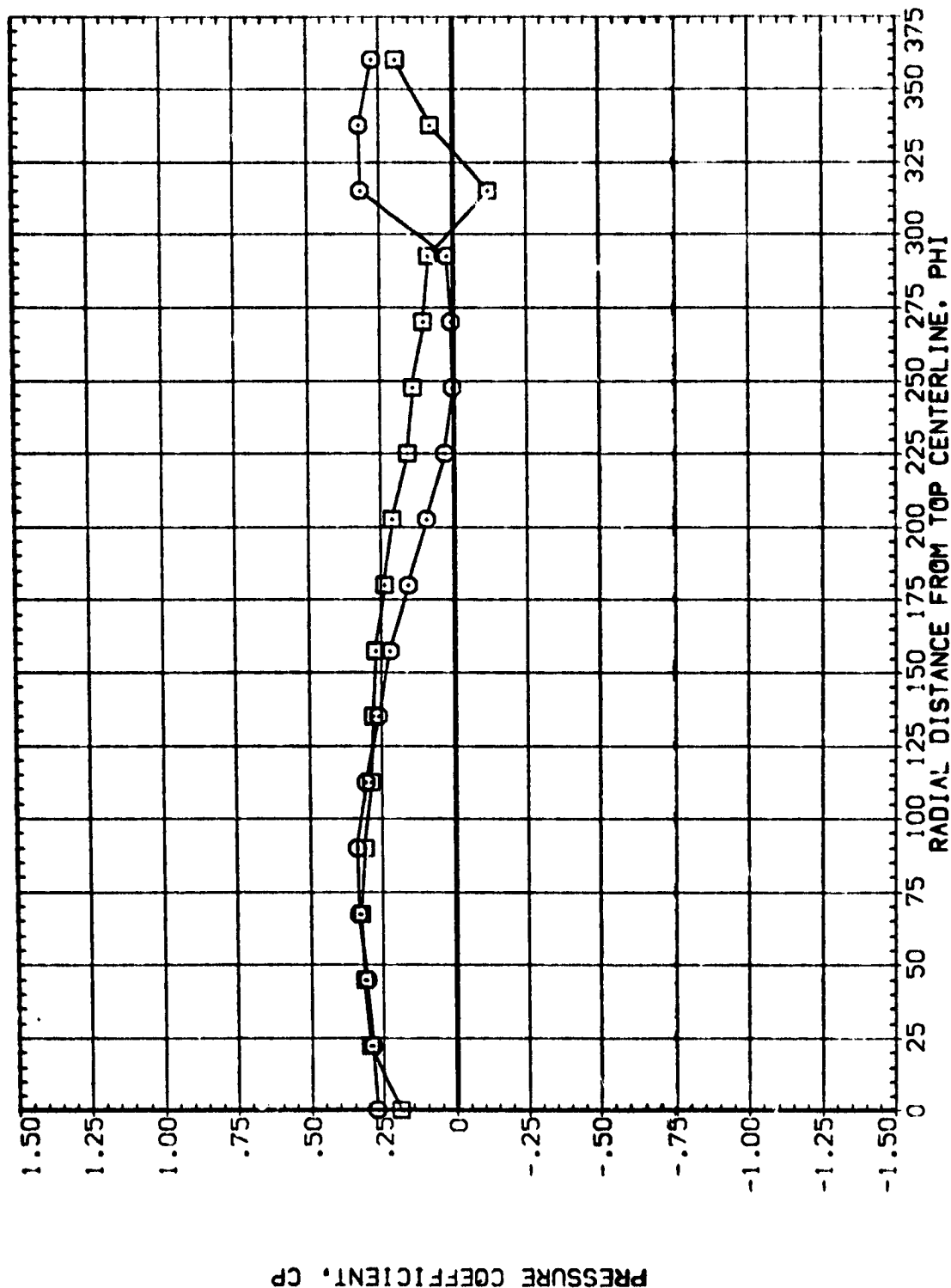
SYMBOL	X/L.S.	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONF16	CONF16	CONF16
○	.549	.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.657							X-SRB	.000	.000	.500
△	.765										
◇	.883										



PRFESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

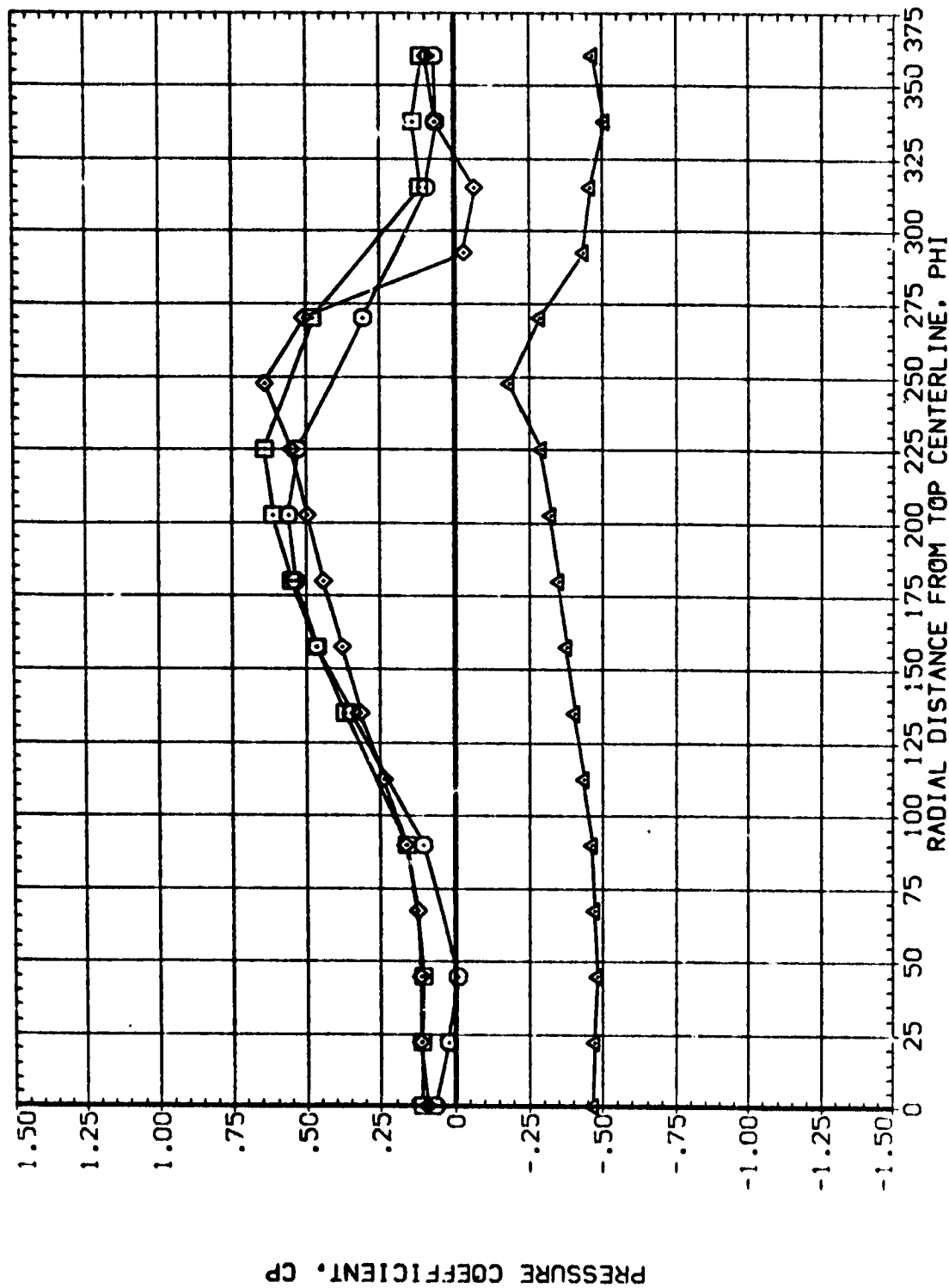
SYMBOL	X/S	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONF IG	RUDDER	ORBIT INC
□	.912	.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
○	.955						.972	X-SFB	.000	.000	.500
							.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

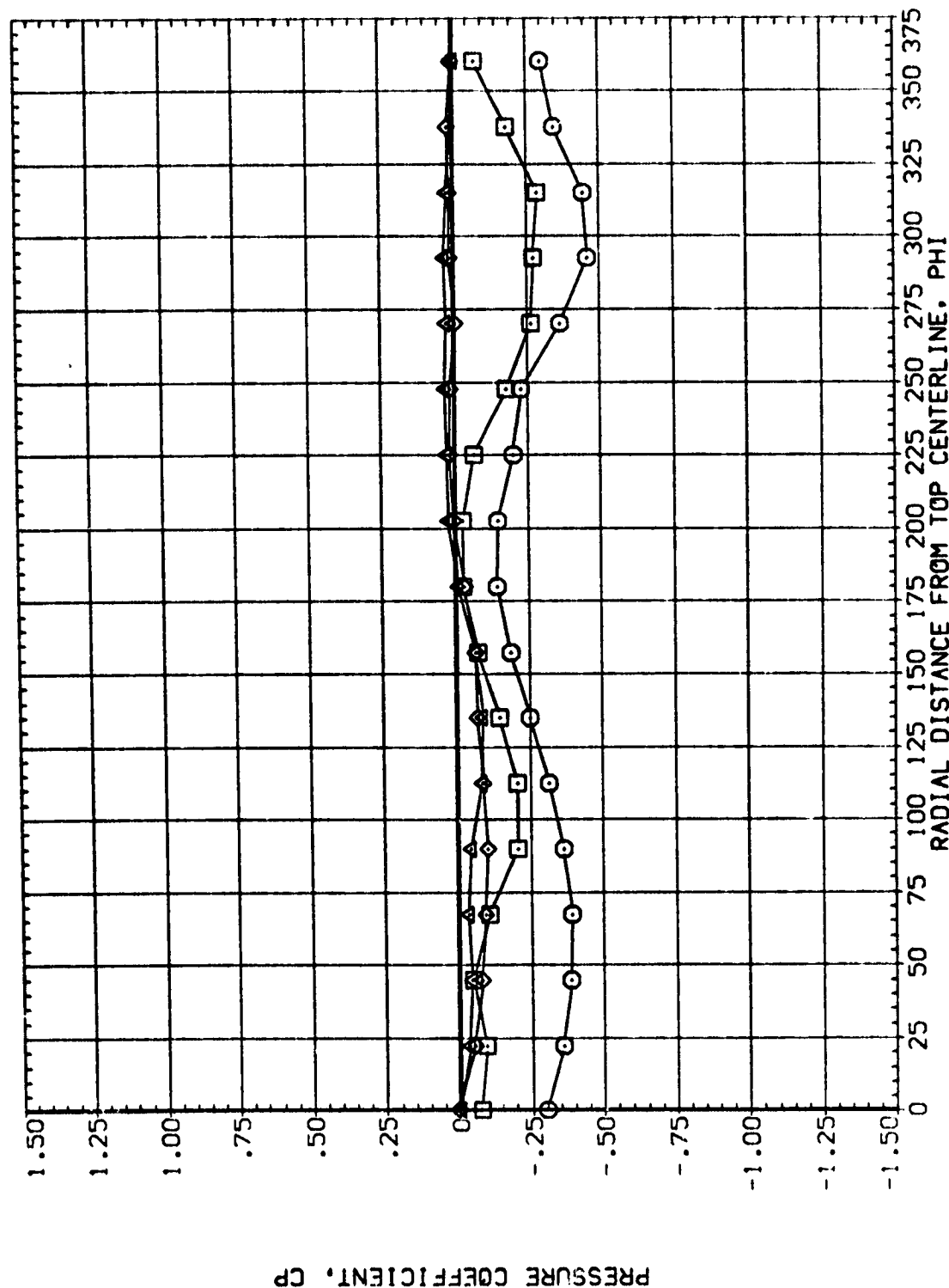
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	BETA	CONF IG	90.000	
○	.043	8.000	1.250	LREF	5.313	DELTA Z	RUDDER	.000	
□	.072			BREF	5.313	X-SRB	ORB INC	.000	
◇	.101			XPRP	2.549				.500
△	.116			ZPRP	.972				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

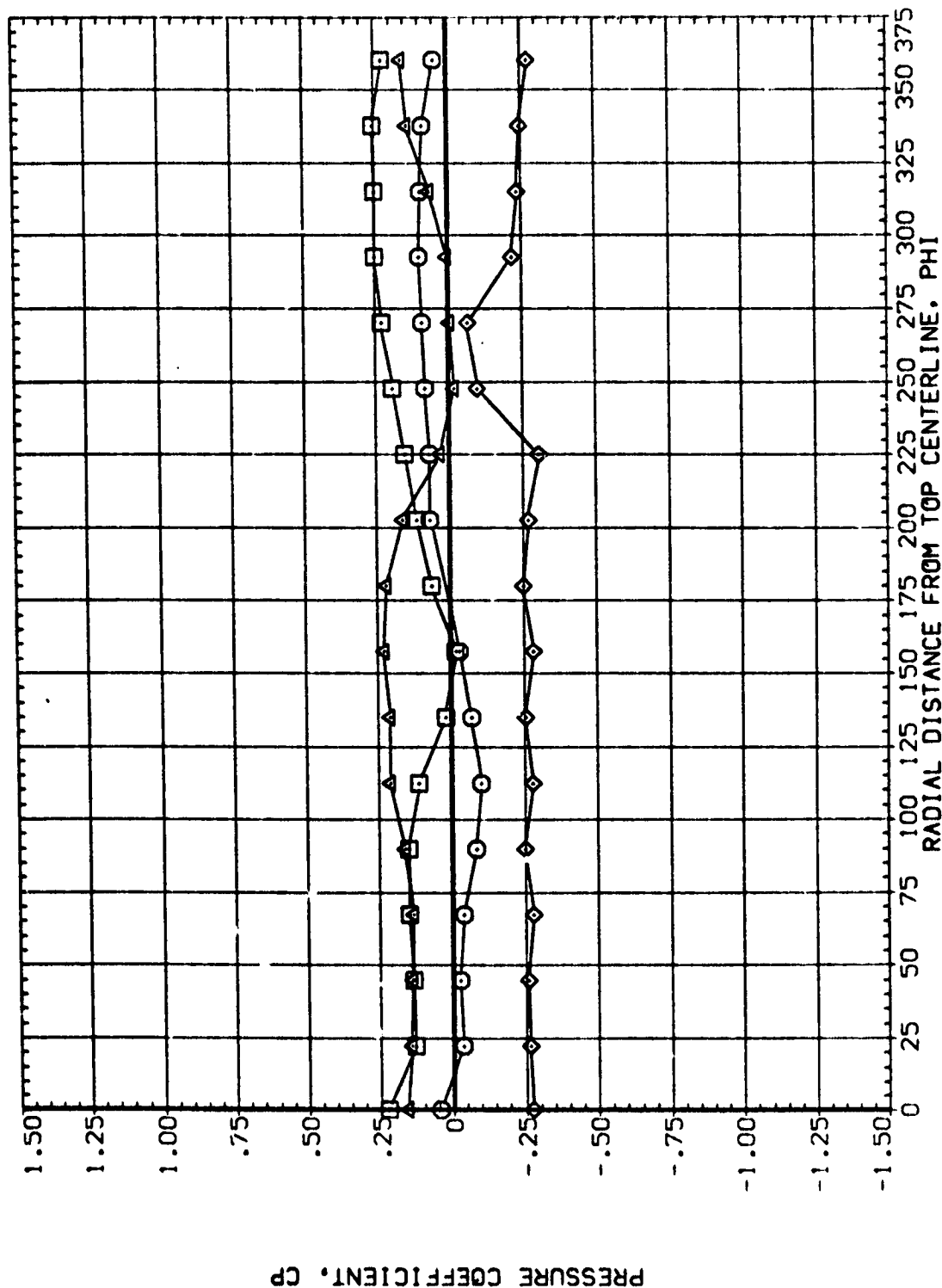
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.152	8.000	1.250	SREF 6.198	BETA .000
□	.224			LREF 5.313	CONF16 .000
◇	.332			BREF 5.313	RUDDER .000
△	.440			XPRP 2.549	ORBITINC .500
				YPRP .972	
				ZPRP .000	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

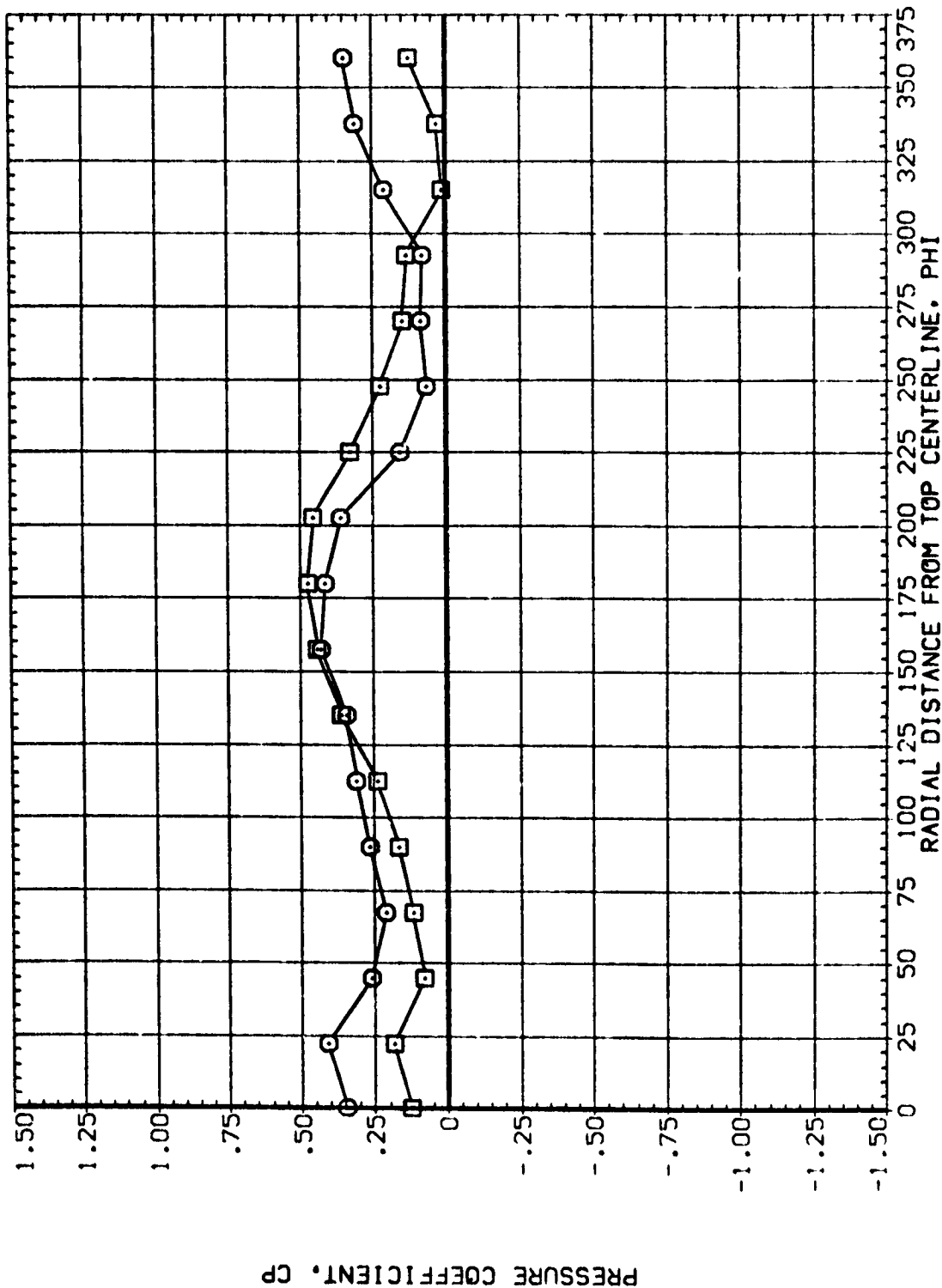
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	CONFIG	RUDER	ORBINC
○	.549	8.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.657							X-SRB	.000	.000	.500
△	.765										
◇	.883										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

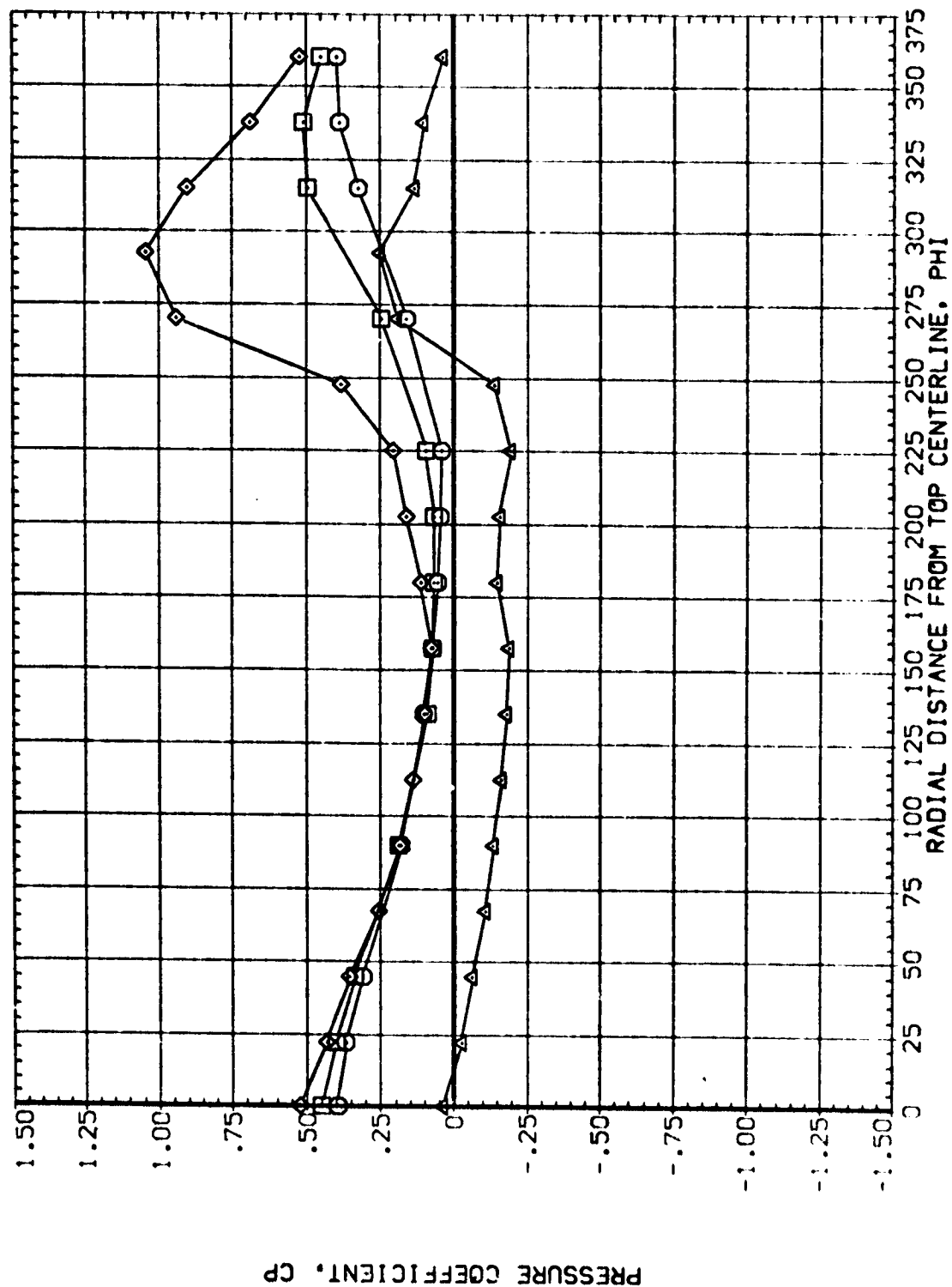
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES		
				SREF	6.198	BETA	CONF IG	90.000		
○	.912	8.000	1.250	LREF	5.313	DELTA Z	.140	RUDDER	.000	
□	.955			BREF	5.313	X-SRB	.000	ORB IN.	.500	
				XTRP	2.549					
				YTRP	.972					
				ZTRP	.000					



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

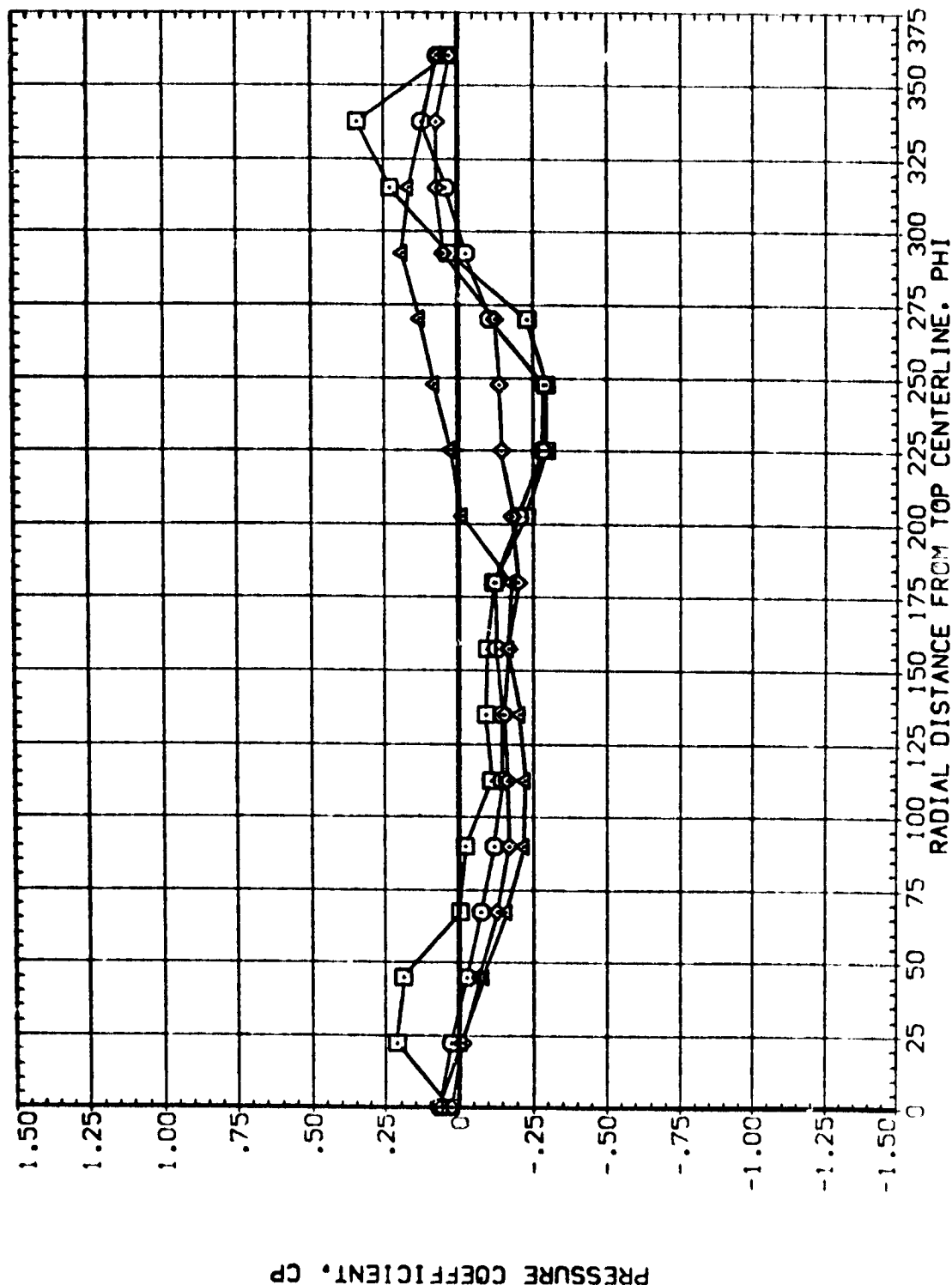
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	DELTA Z	CONF IG	90.000
○	.043	-8.000	1.960	6.198	5.313	5.313	2.549	.000	.140	RUDDER	.000
□	.072							X-SRB		ORBITAL	.500
◇	.101										
△	.116										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

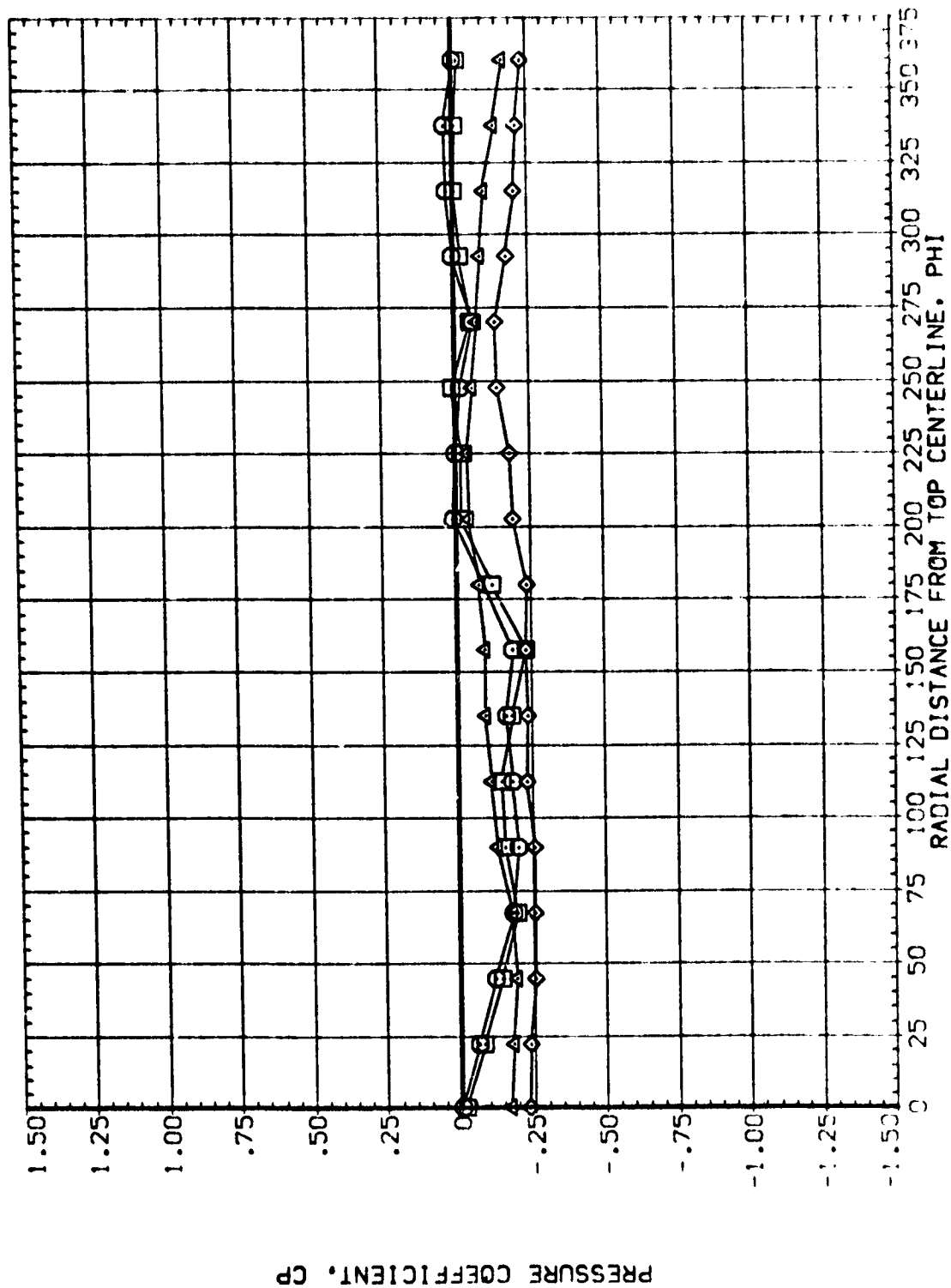
SYMBOL	X/1.5	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	CONF16	RUDER	ORBITC
□	.152	-8.000	1.960	6.198	5.313	5.313	2.549	DELTAZ	.000	.14C	.000
◇	.224							X-SRB	.000	.000	.500
△	.332										
▽	.440										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

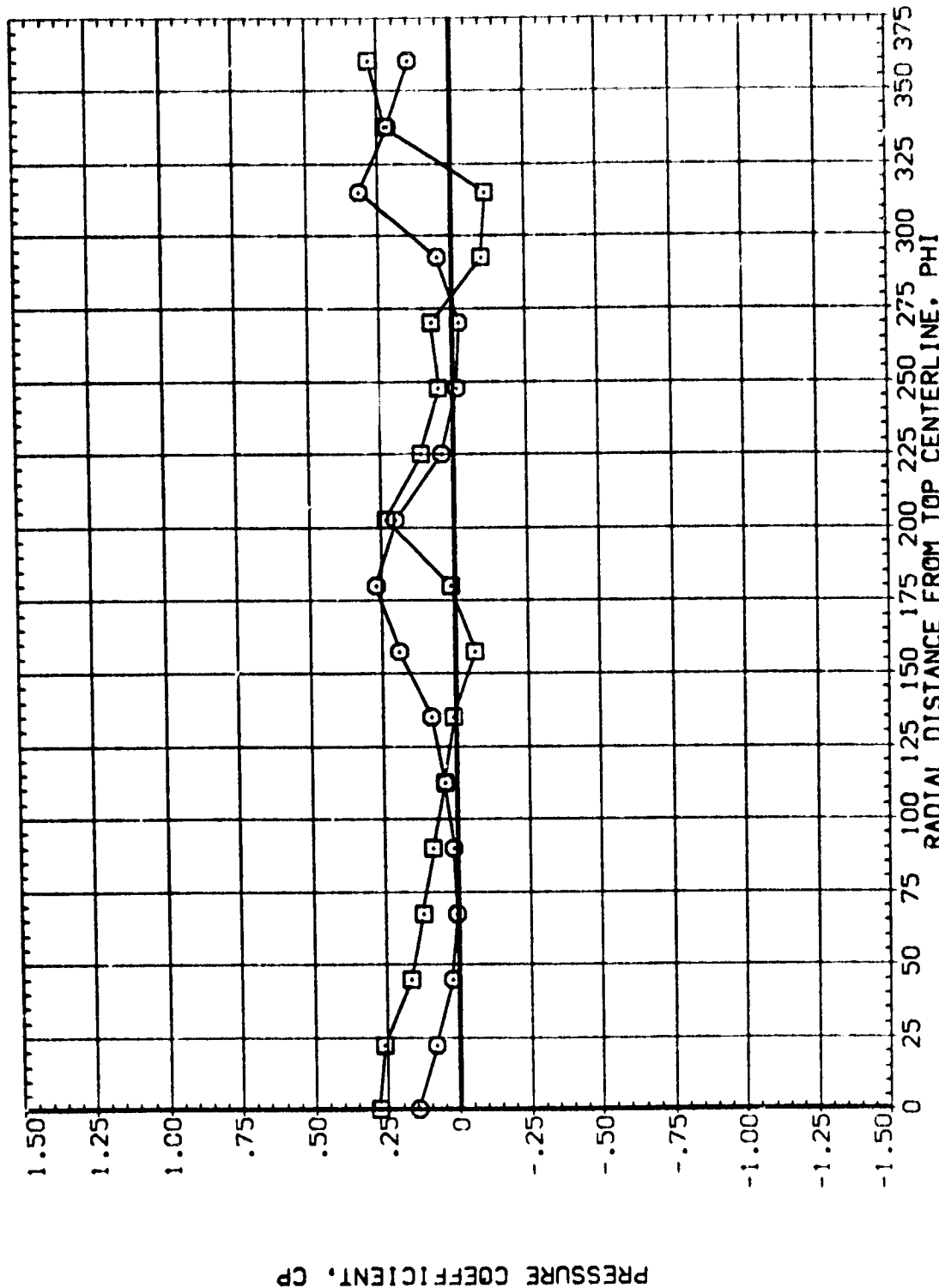
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA				PARALLELIC VALUES			
				SREF	LREF	BREF	XMRP	50. IN.	BETA	CONFIS	90.000
○	.549	-8.000	1.960	5.198	5.313	5.313	2.549	IN.	DELTA Z	RUDER	.000
□	.657							IN.	X-SRB	ORBINC	.500
◇	.765							IN.			
△	.863							IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

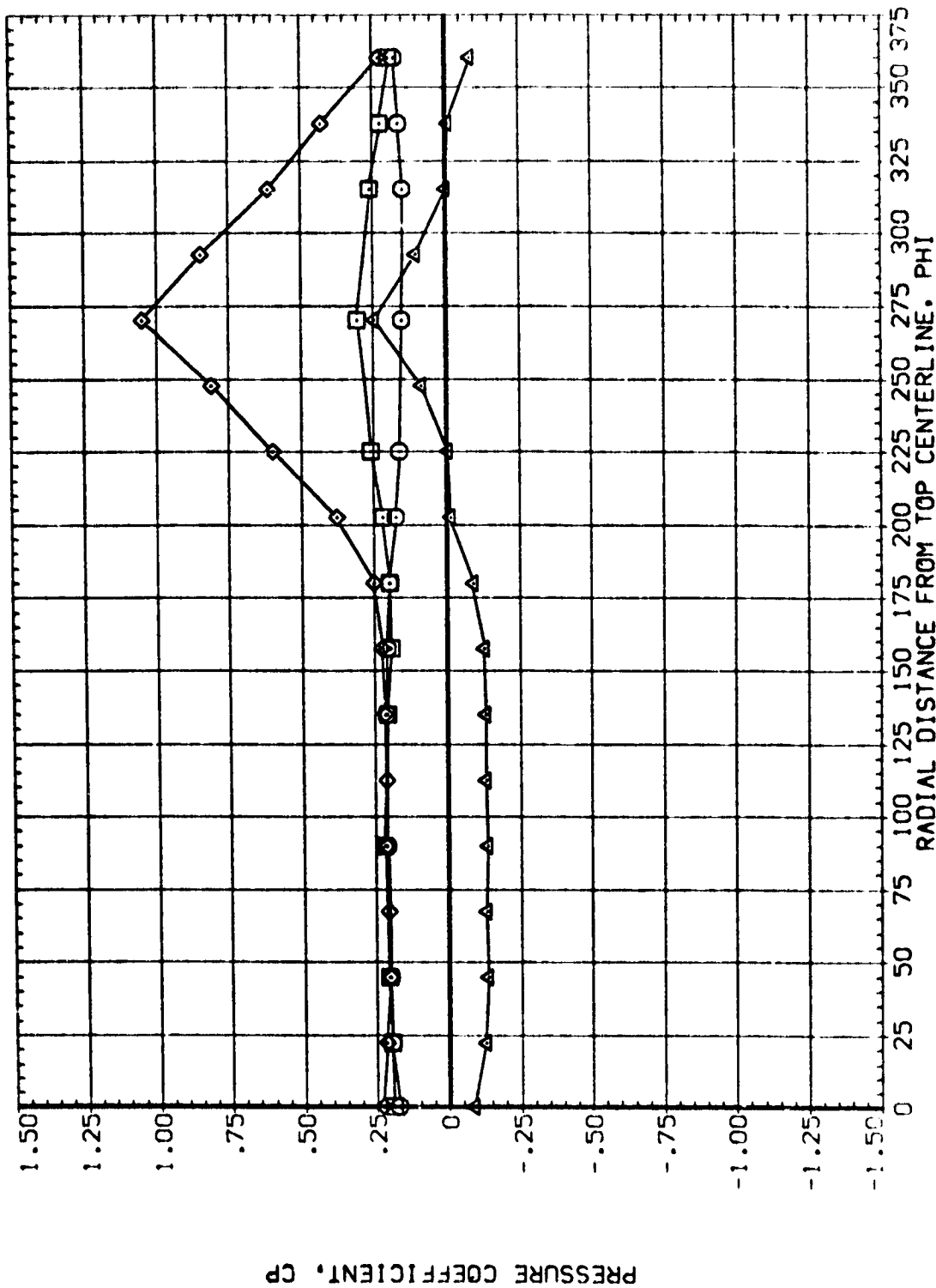
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XPRP	BETA	CONF16	RUDDER	ORIGIN
○	.912	-8.000	1.960	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.955						.972	X-SRB	.000	.000	.500
							.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

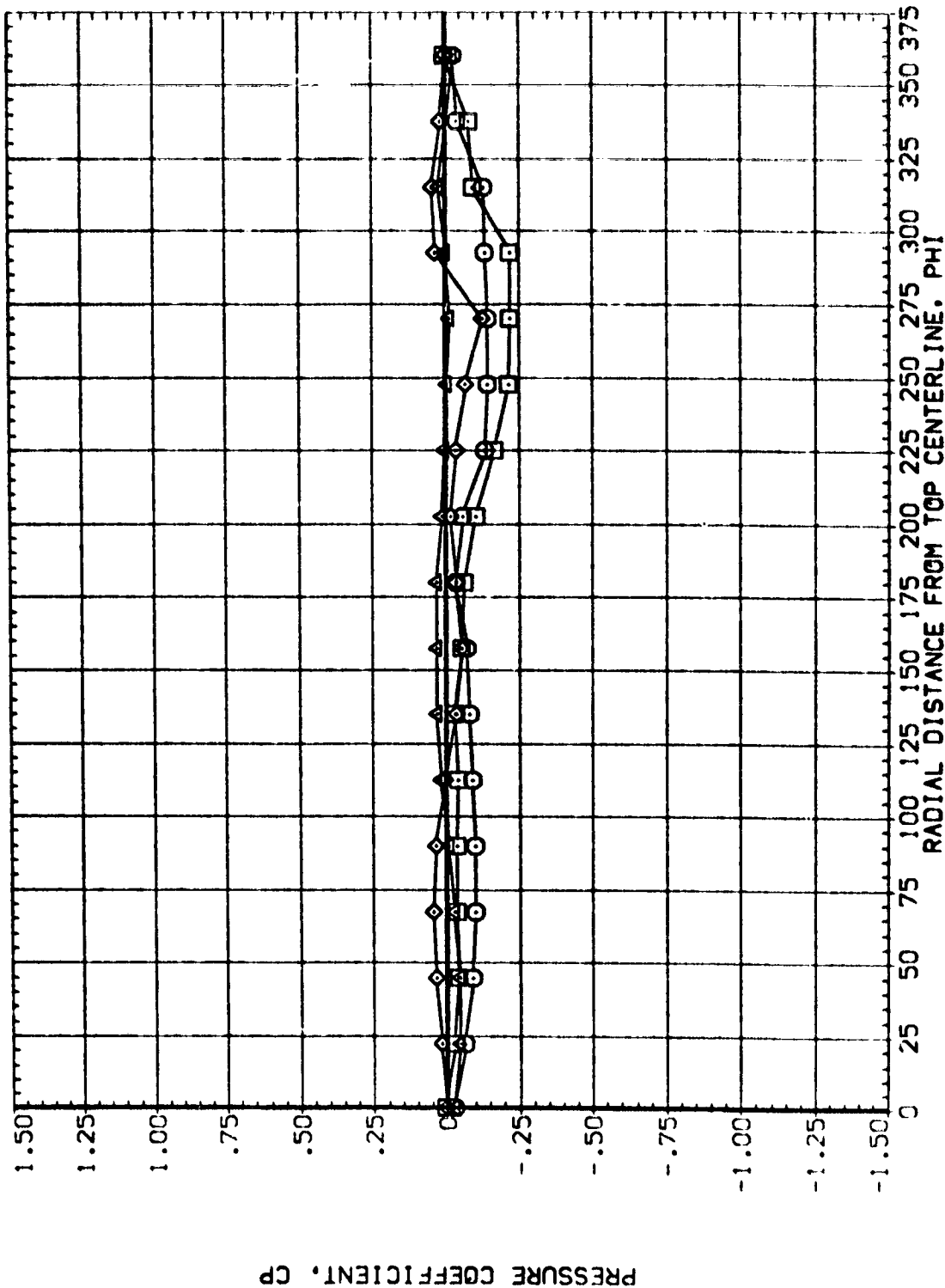
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SD, IN.	BETA	CONF IG	90.000
○	.043	.000	1.960	6.198	5.313	5.313	2.549	IN.	DELTA Z	.140	RUDDER
□	.072							IN.	X-SRB	.000	DRB IN C
◇	.101							IN.			.500
△	.116							IN.			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

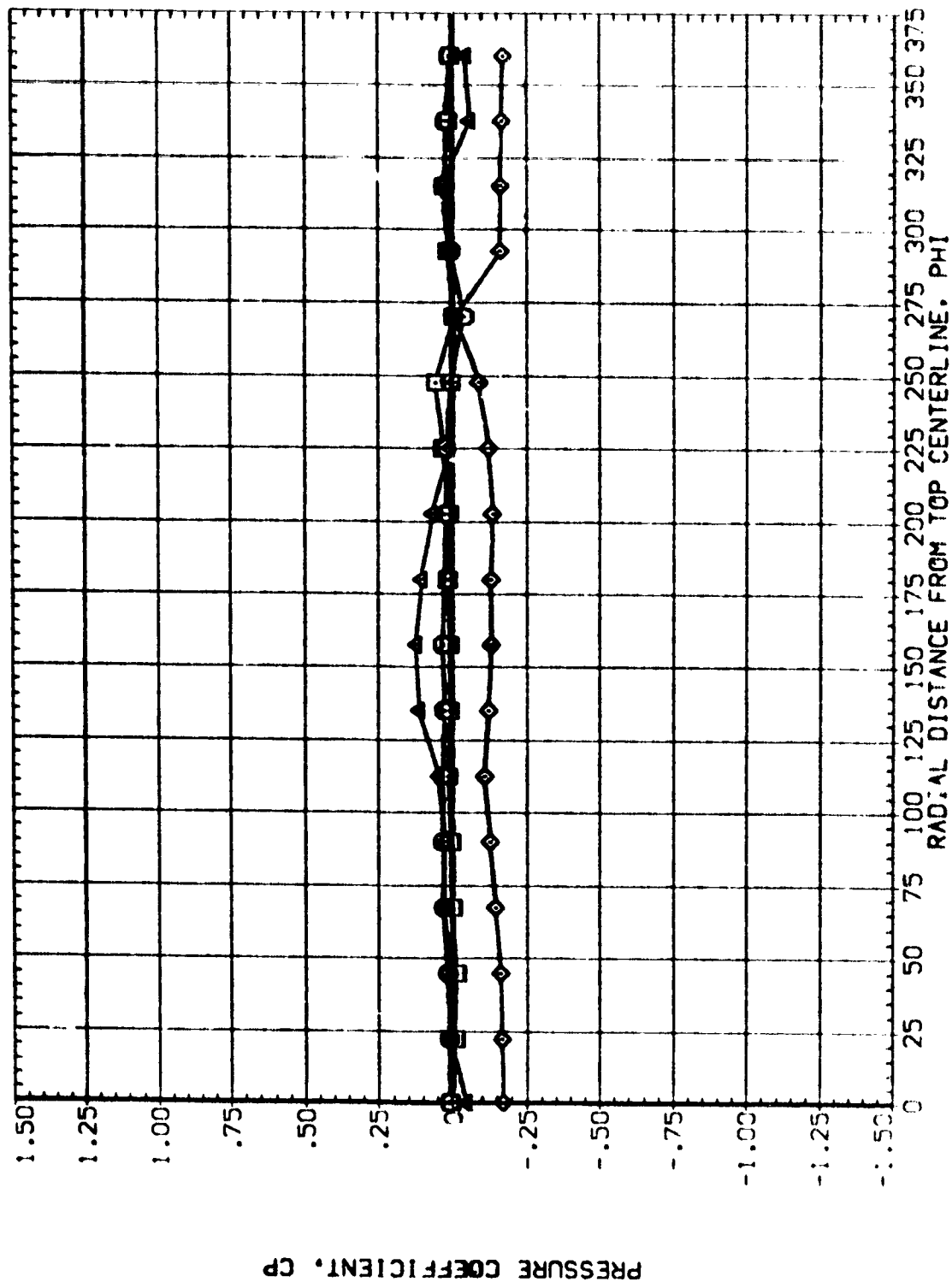
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	BETA	CONF 16	CONF 16	CONF 16
○	.152	.000	1.960	LREF	5.313	DELTA Z	.000	.000	.000
□	.224			BREF	5.313	X-SRB	.140	.000	.000
◇	.332			YREF	2.549		.000	.000	.500
△	.440			ZREF	.972				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

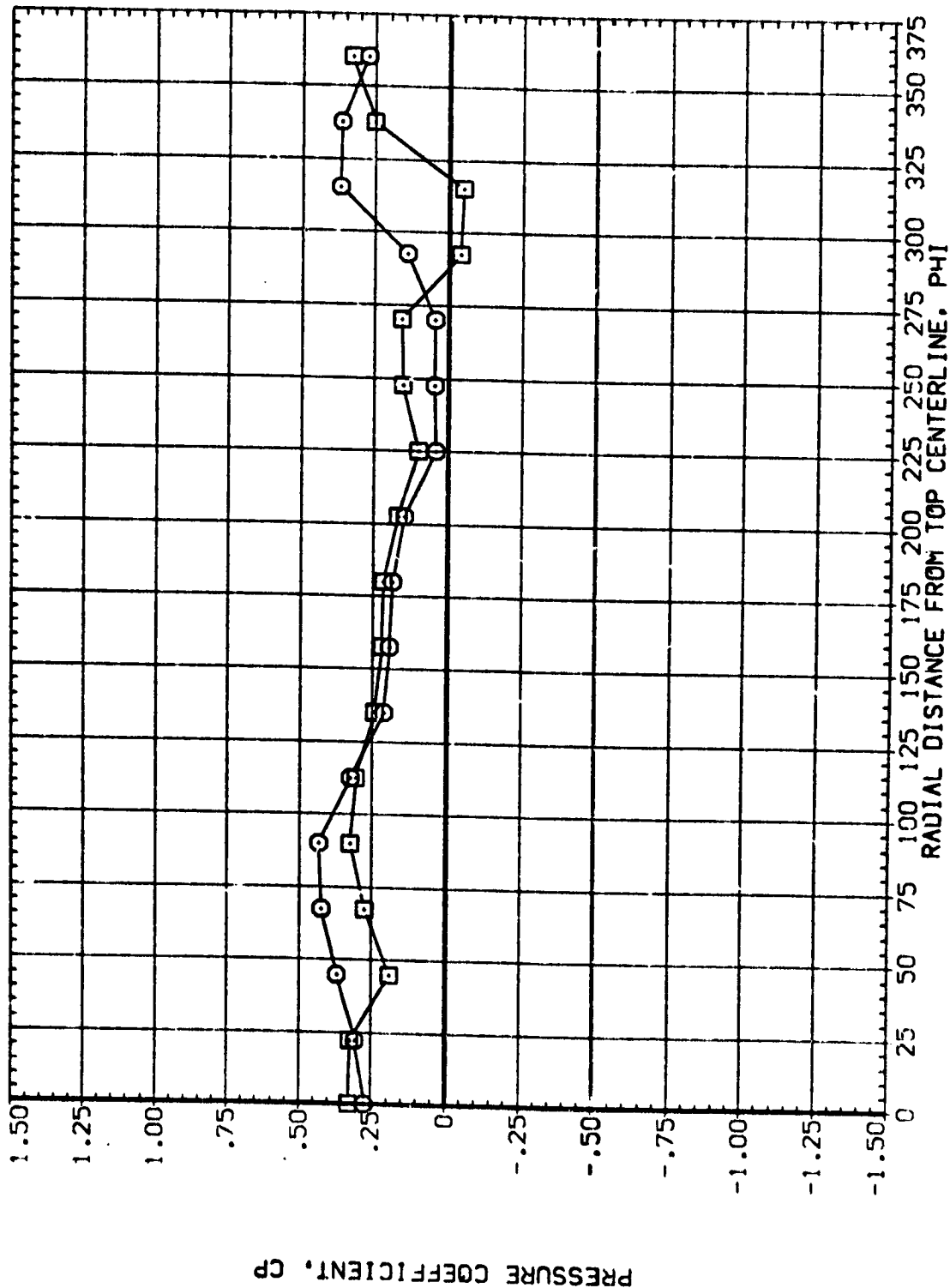
SYMBOL	X/L	ALPHA	MAG.	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SO.IN.	BETA	CONF IG		
○	.549	.000	1.000	5.198	IN.	DELTA Z	RUDER	.000	.000
□	.657			5.313	IN.	X-S98	ORIGIN	.000	.500
◇	.765			2.549	IN.				
△	.883			.972	IN.				
				ZRRP	IN.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82301)

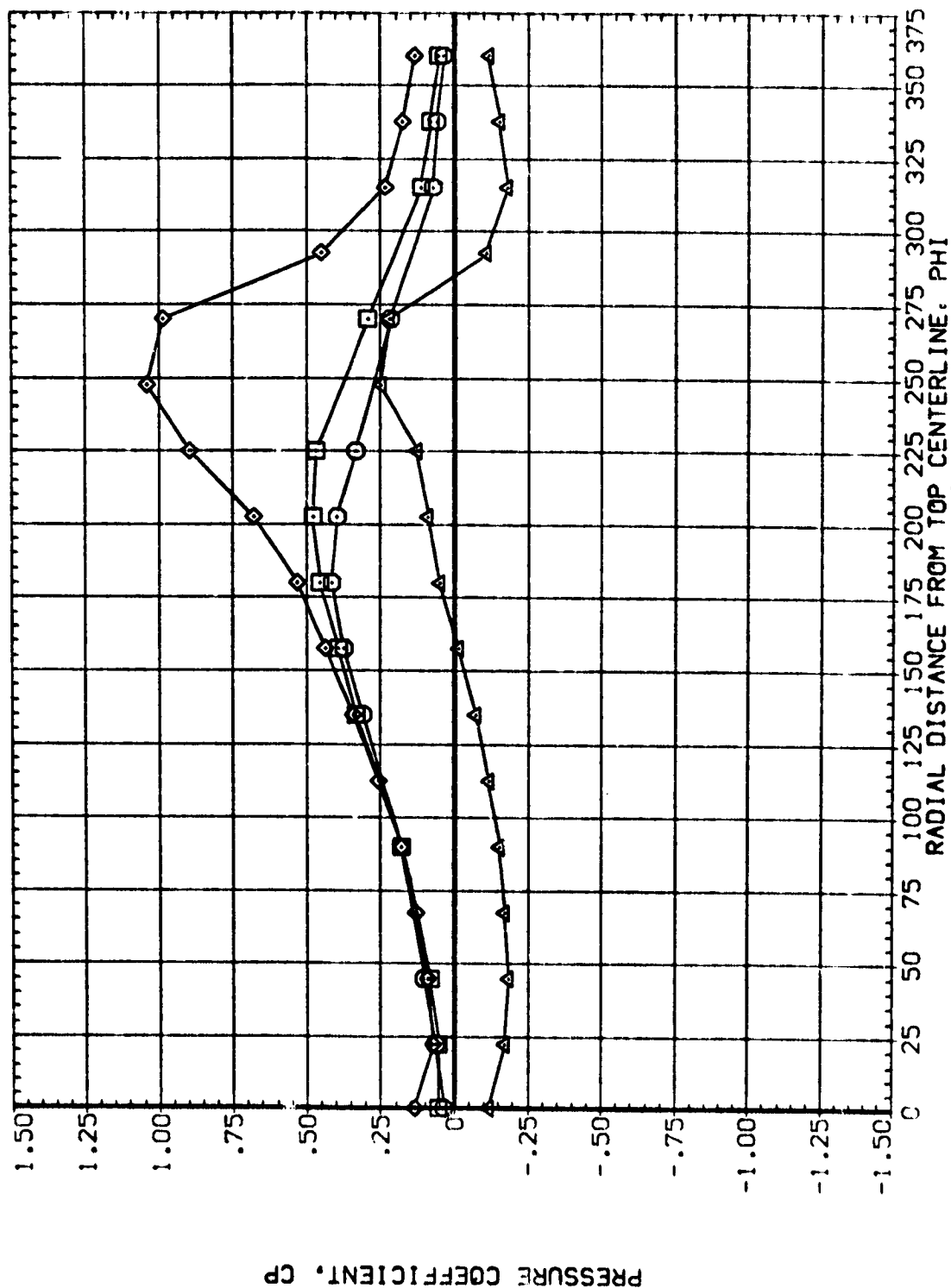
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.912	.000	1.960	SREF 6.198	BETA .000
□	.955			LREF 5.313	DELTA Z .140
				BREF 5.313	X-SRB .000
				XPRP 2.549	GRB INC .500
				YPRP .972	
				ZPRP .000	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

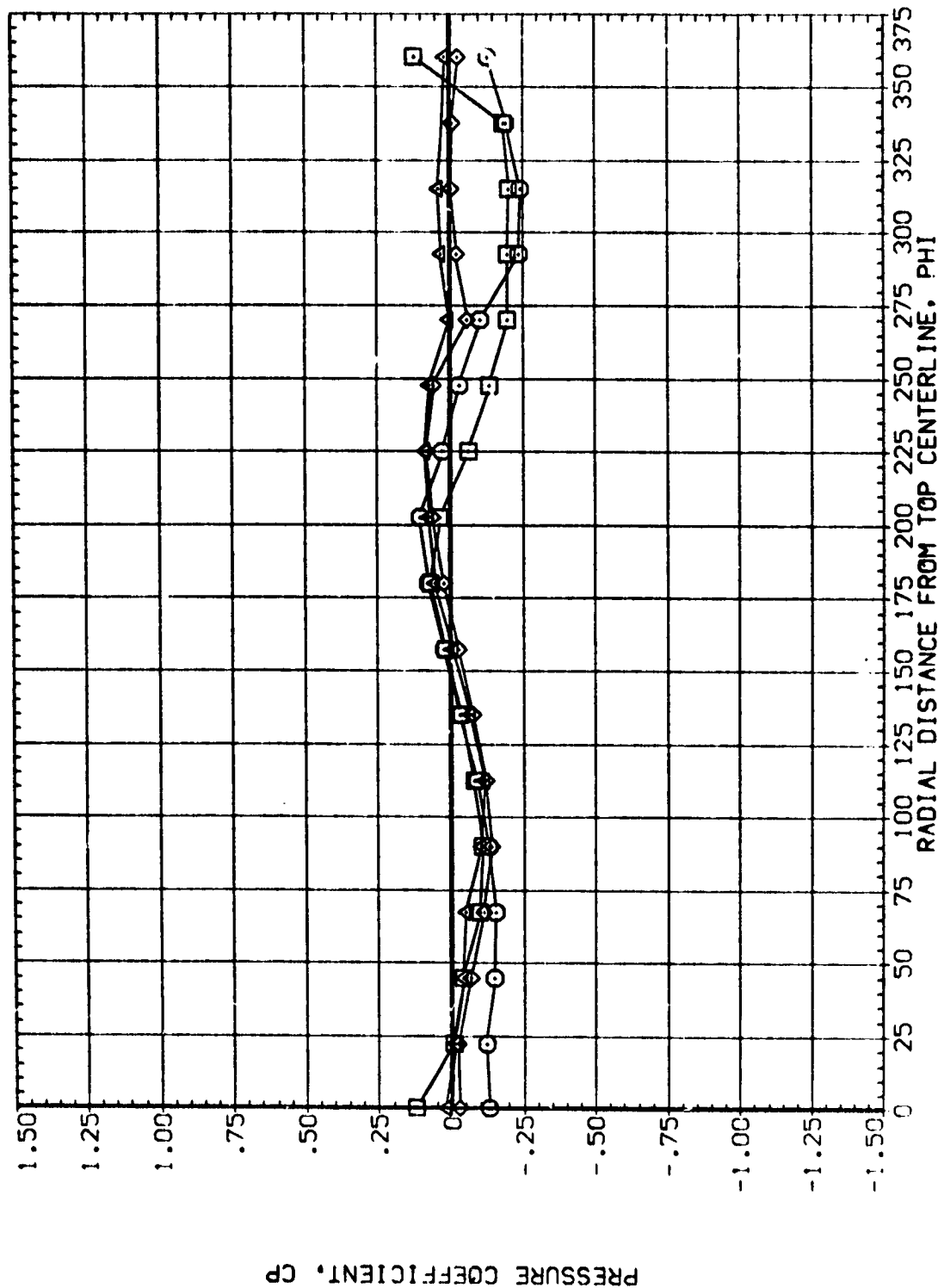
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONFIS	RUDDER	ORGINC
○	.043	8.000	1.960	6.198	5.313	5.313	2.519	DELTAZ	.000	.140	.000
□	.072							X-SRB	.000	.000	.500
◇	.101										
△	.116										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

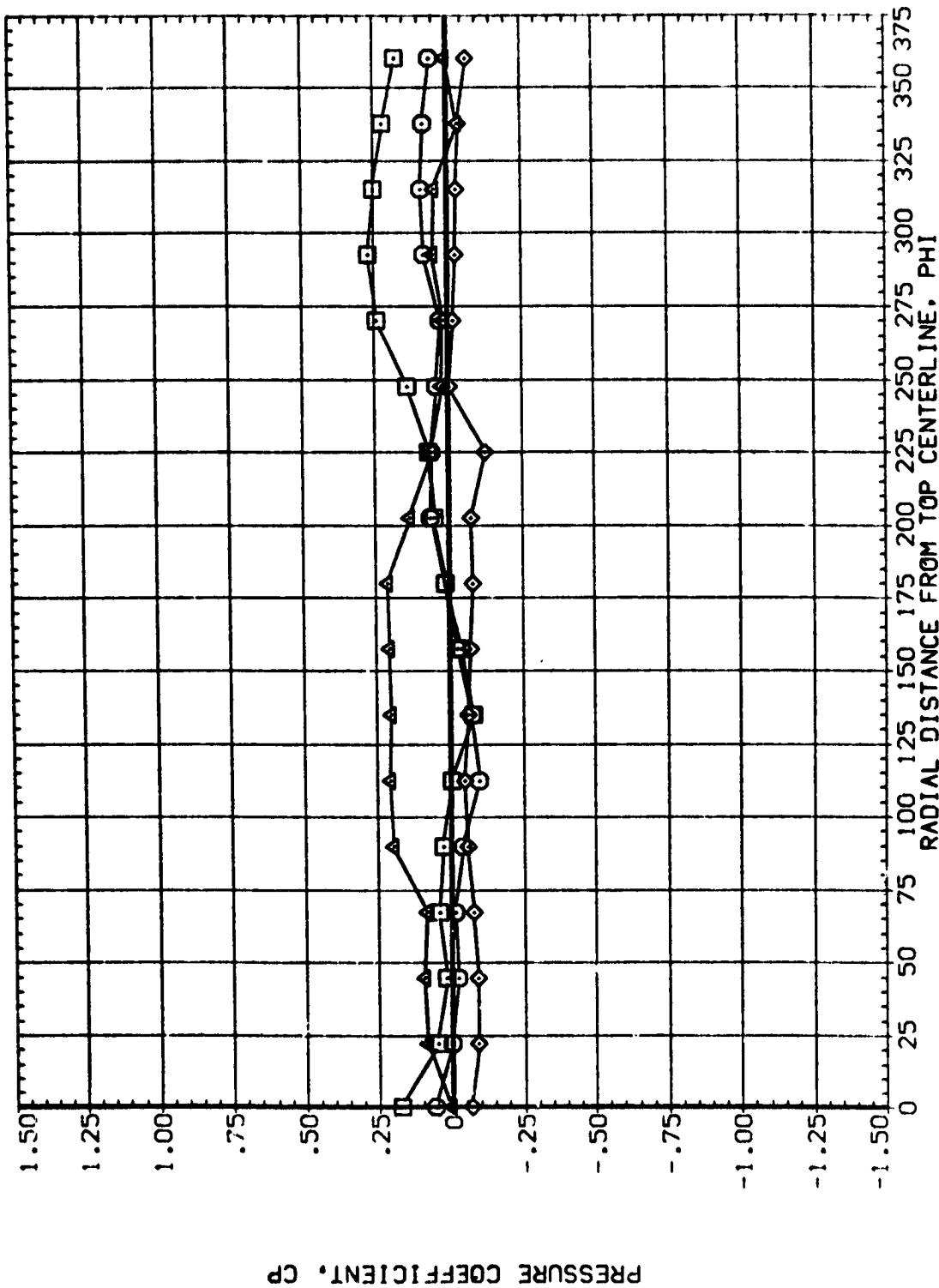
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	BETA	.000	CONF 16	90.000
○	.152	8.000	1.960	LREF	5.313	DELTA Z	.140	RUDDER	.000
□	.224			SREF	5.313	X-SRB	.000	ORB INC	.500
◇	.332			XREF	2.549				
△	.440			YREF	.972				
				ZREF	.000				



MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

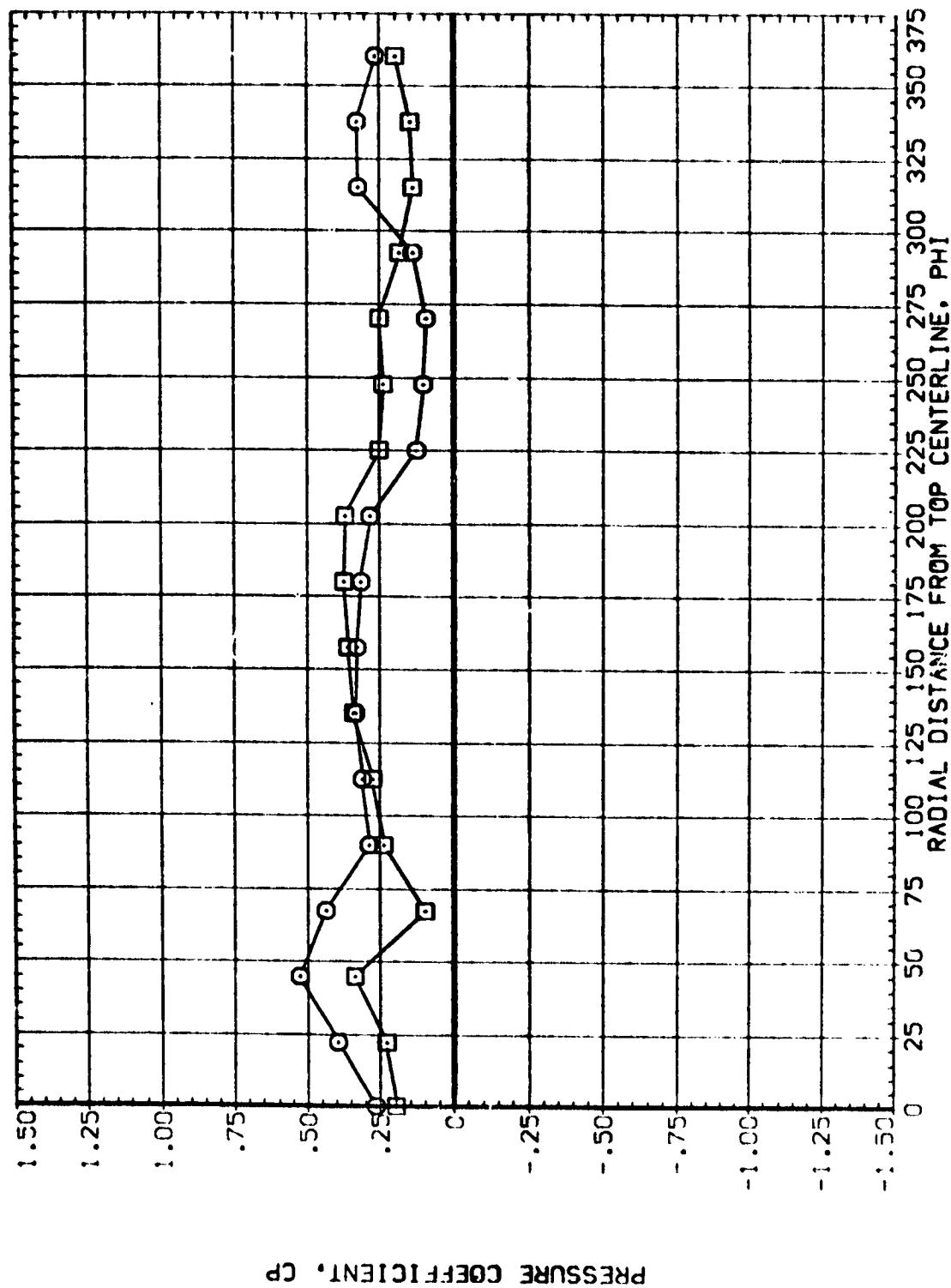
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONF 16	RUDDER	ORBITAL
△	.549	8.000	1.960	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.657							X-SRB	.000	.000	.500
◇	.775										
▽	.983										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

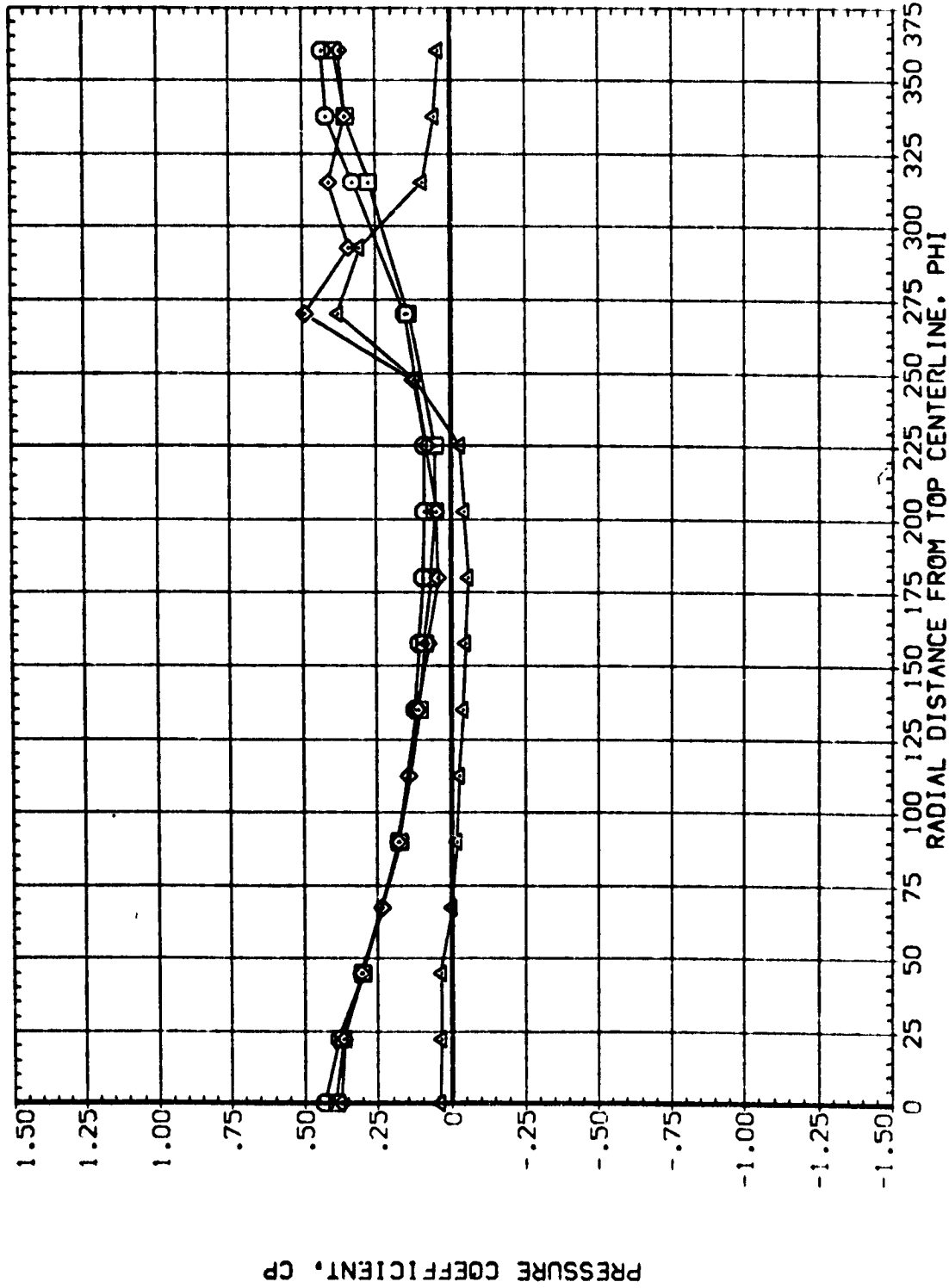
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	DELTAZ	CONFIG	ORIGIN
○	.912	8.000	1.960	6.198	5.313	5.313	2.549	.000	.140	.000	.000
□	.955			.972	.000			X-SRB		.000	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

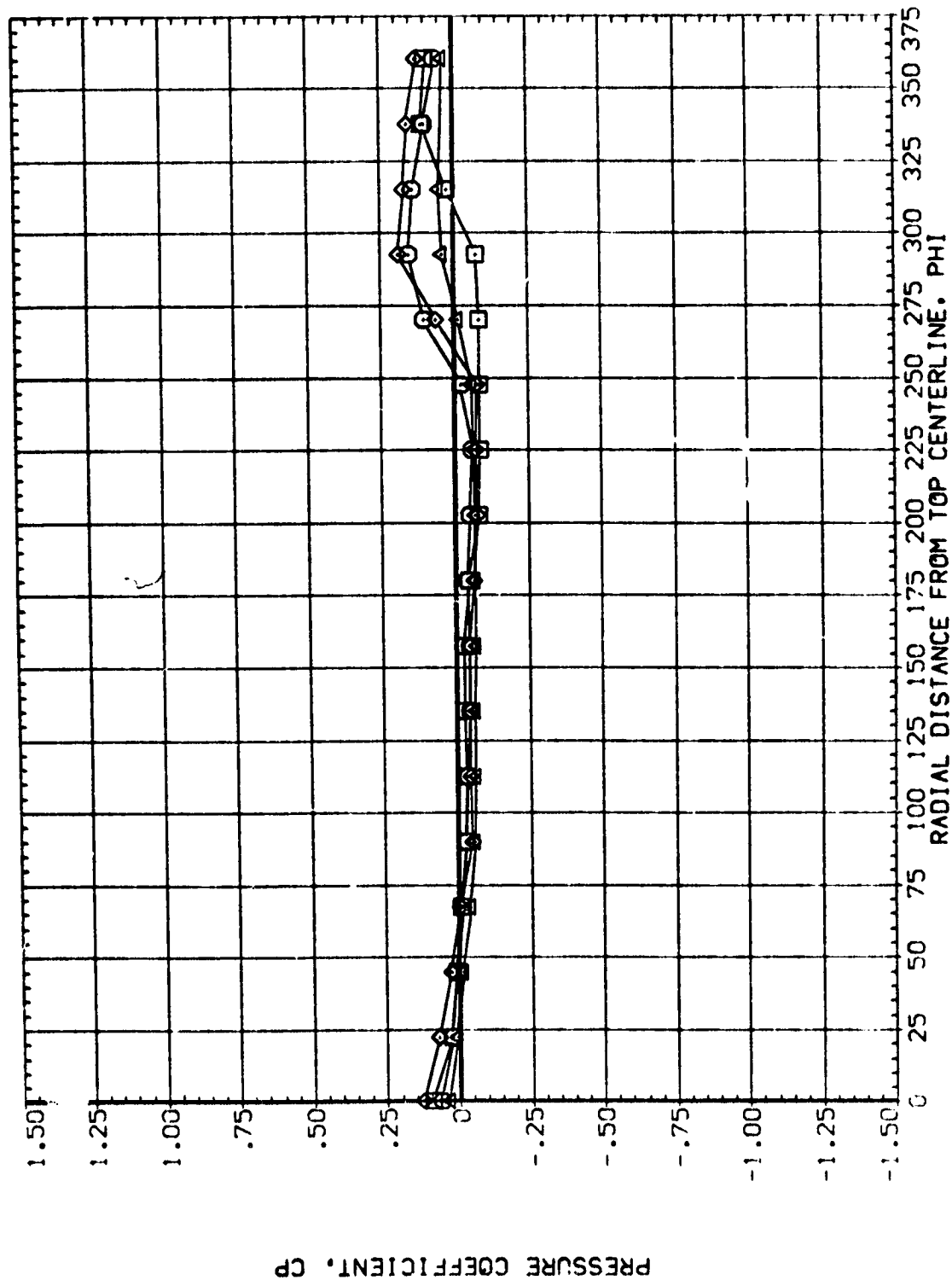
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONF	RUDDER	ORINC
○	.043	-8.000	3.500	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.072							X-SUB	.000	.000	.500
◇	.101										
△	.116										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

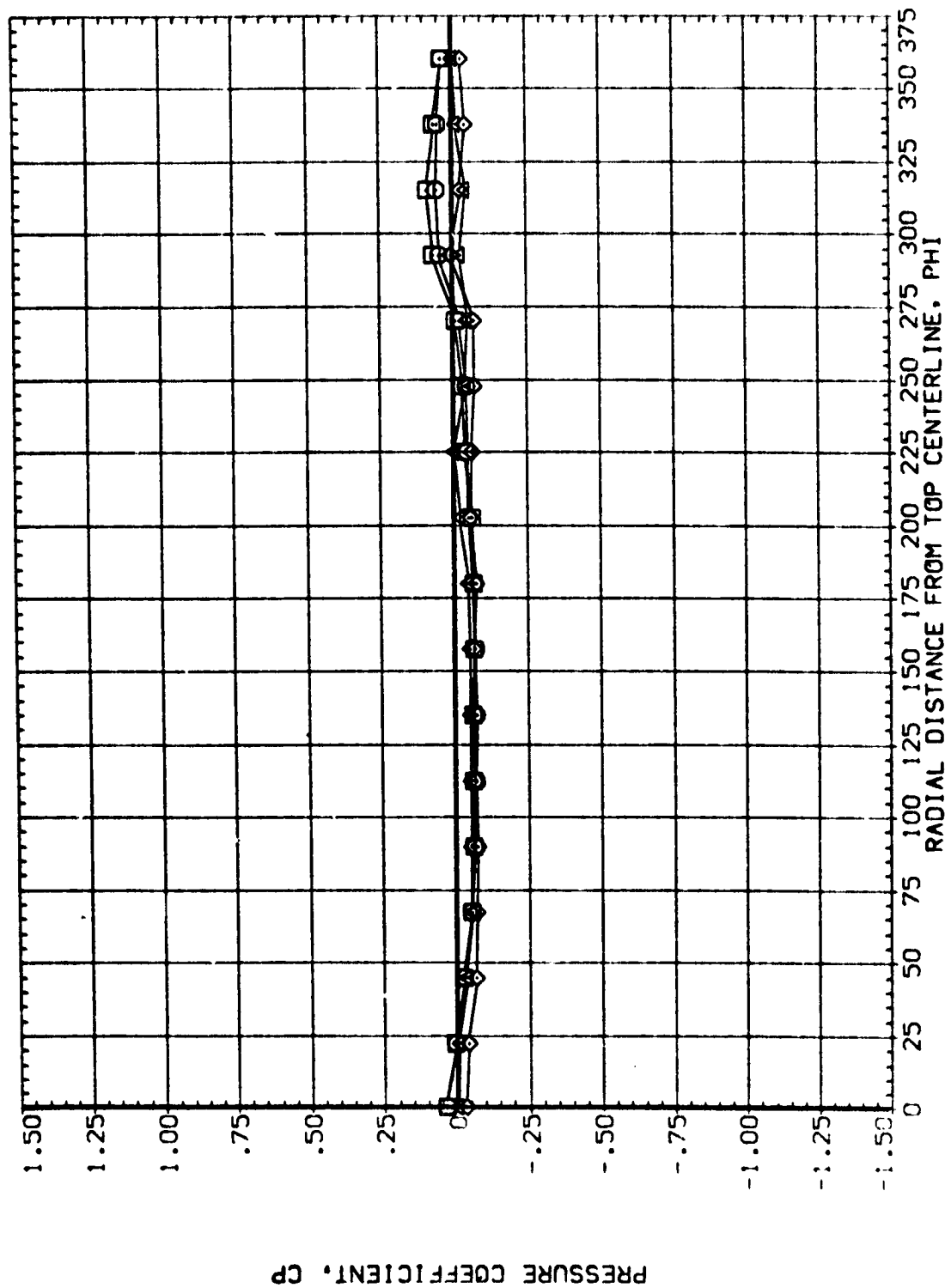
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XPRP	BETA	DELTAZ	CONFIG	90.000
□	.152	-8.000	3.500	5.198	5.313	5.313	2.549	.000	.140	RUDER	.000
◇	.224						.972	X-SRB	.000	ORBIT	.500
△	.332						.000				
▽	.440										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

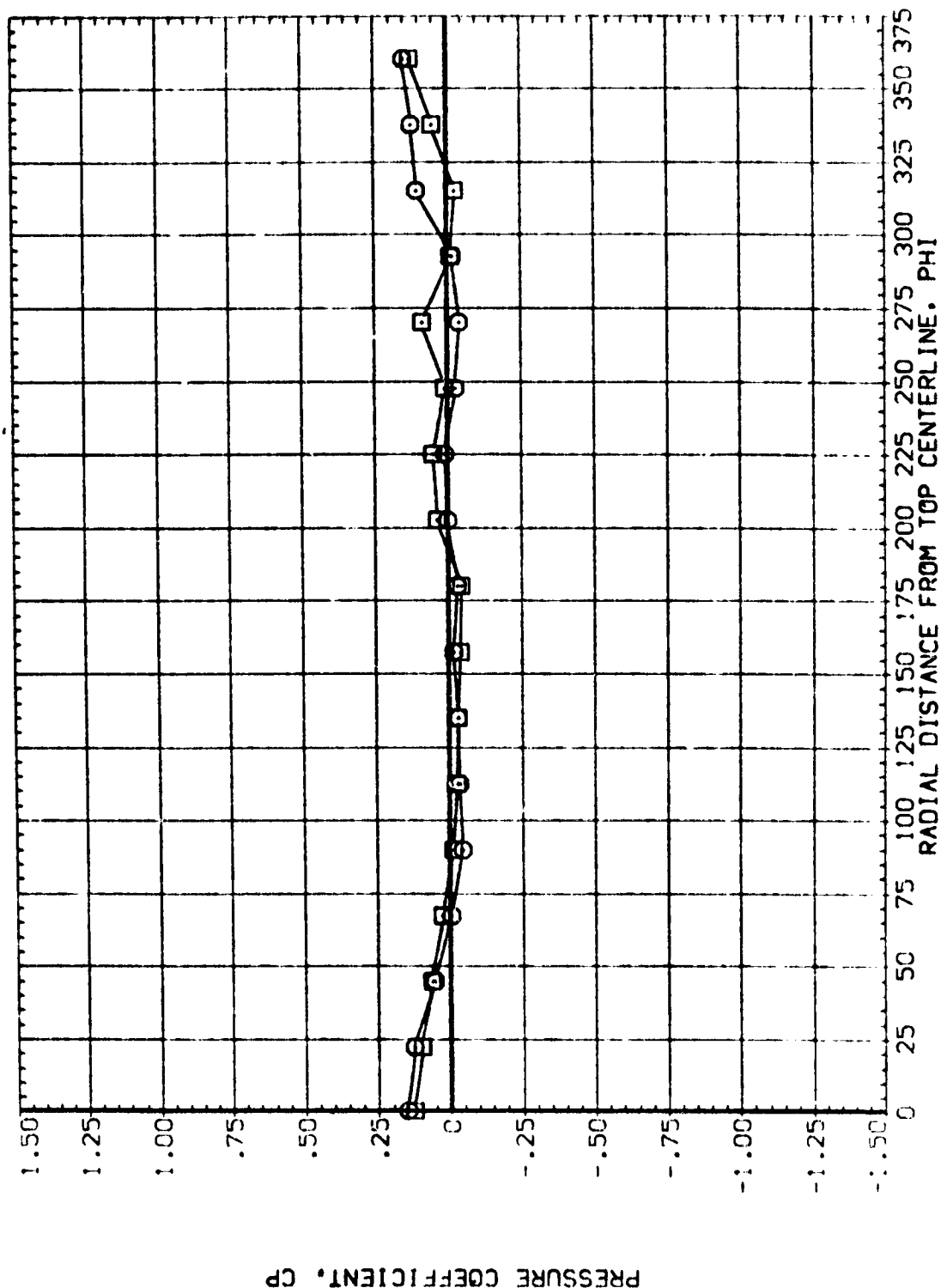
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONF IG	RUDDER	ORBIT INC
□	.549	-8.000	3.500	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
◇	.637							X-SRB	.000	.000	.500
△	.683										



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

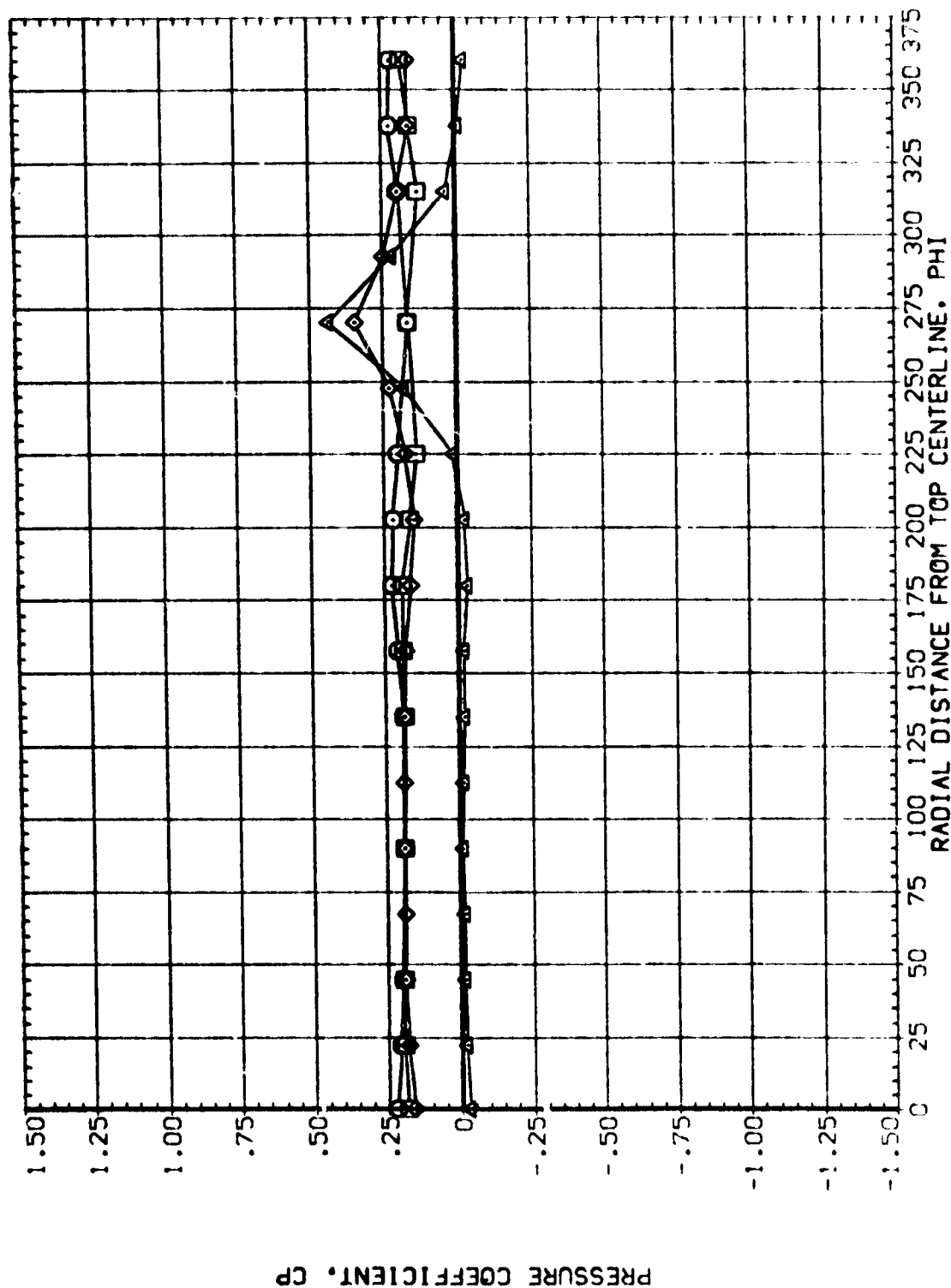
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XRRP	SO. IN.	BETA	CONF IG	90.000
<input type="checkbox"/>	.912	-8.000	3.500	5.198	5.313	5.313	2.549	IN.	DELTA Z	.140	.000
<input type="checkbox"/>	.955			.972	.000			IN.	X-SRB	.000	.500
								IN.		ORBIT INC	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

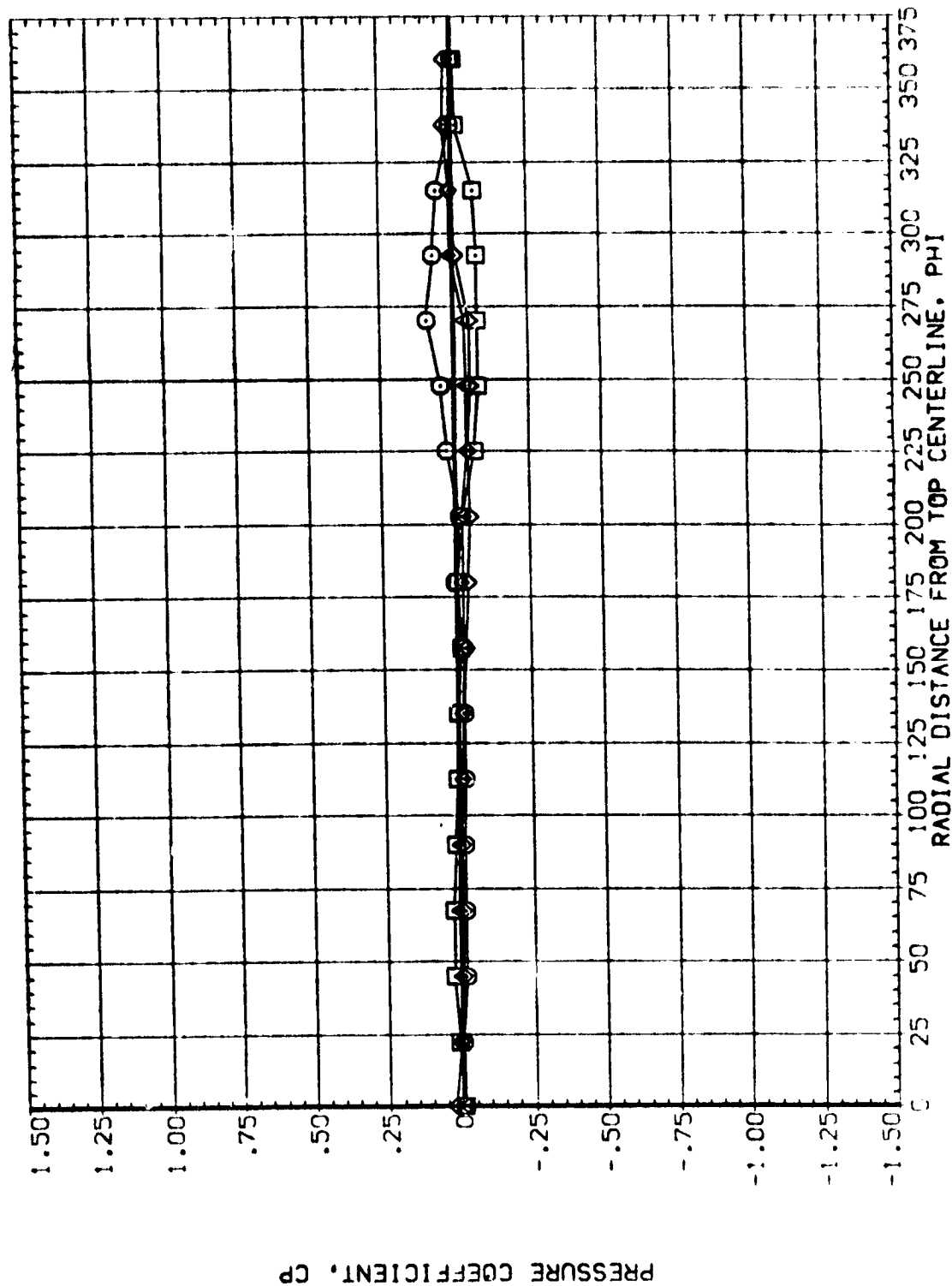
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	BETA	CONFIS	90.070	
○	.043	.000	3.500	LREF	5.313	DELTAZ	RJODER	.000	
□	.072			BREF	5.313	X-SRB	.000	.500	
◇	.101			XREF	2.549				
△	.116			YREF	.572				
				ZREF	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

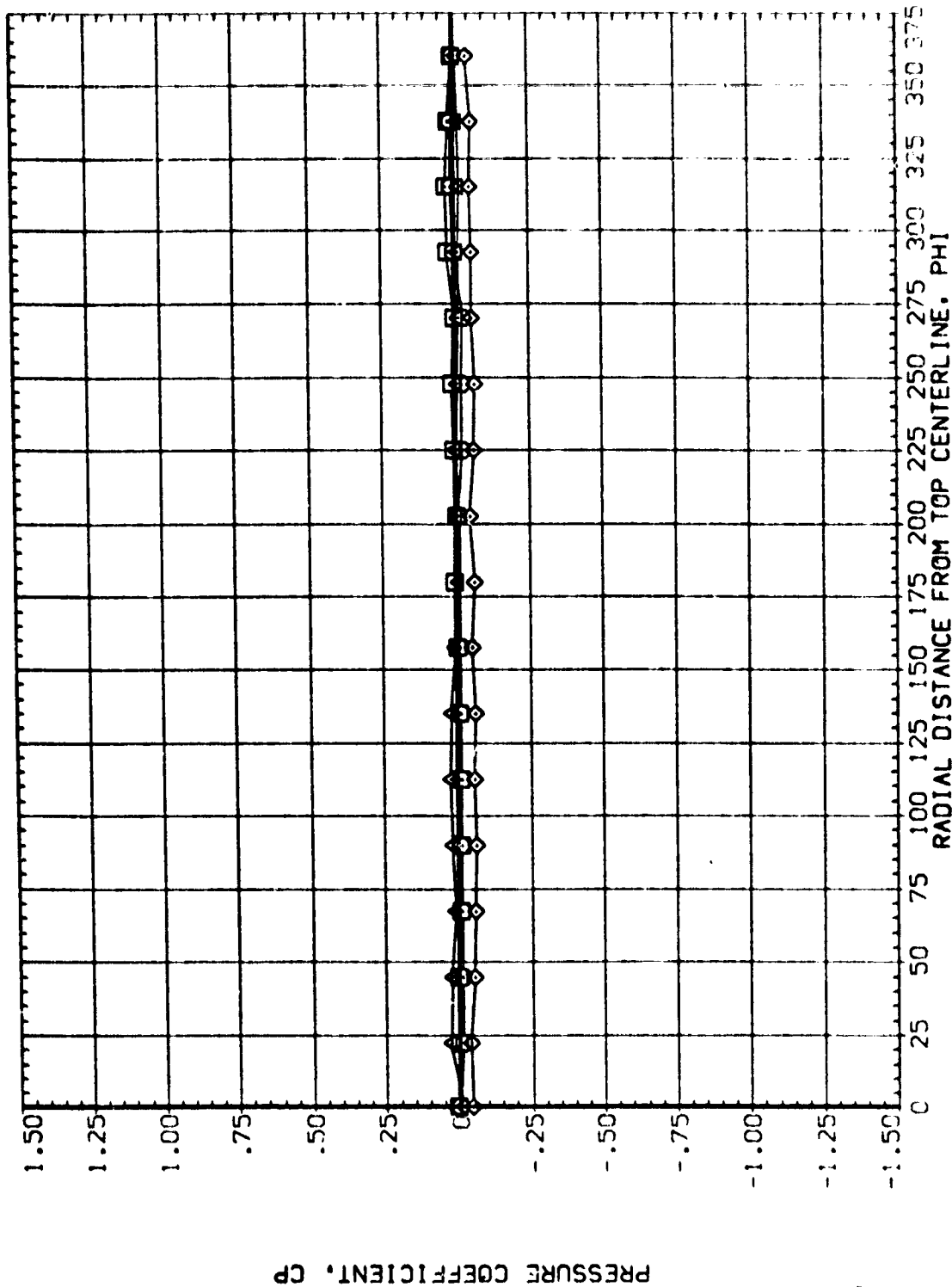
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				REF	DELTA	DELTA Z	X-SNB	CONF 18	CONF 19	CONF 20	CONF 21
1	.152	.000	3.900	8.198	90. IN.	DELTA Z	X-SNB	.000	.140	.000	.500
2	.224			2.313	IN.						
3	.332			2.313	IN.						
4	.440			2.348	IN.						
				.572	IN.						
				.000	IN.						



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

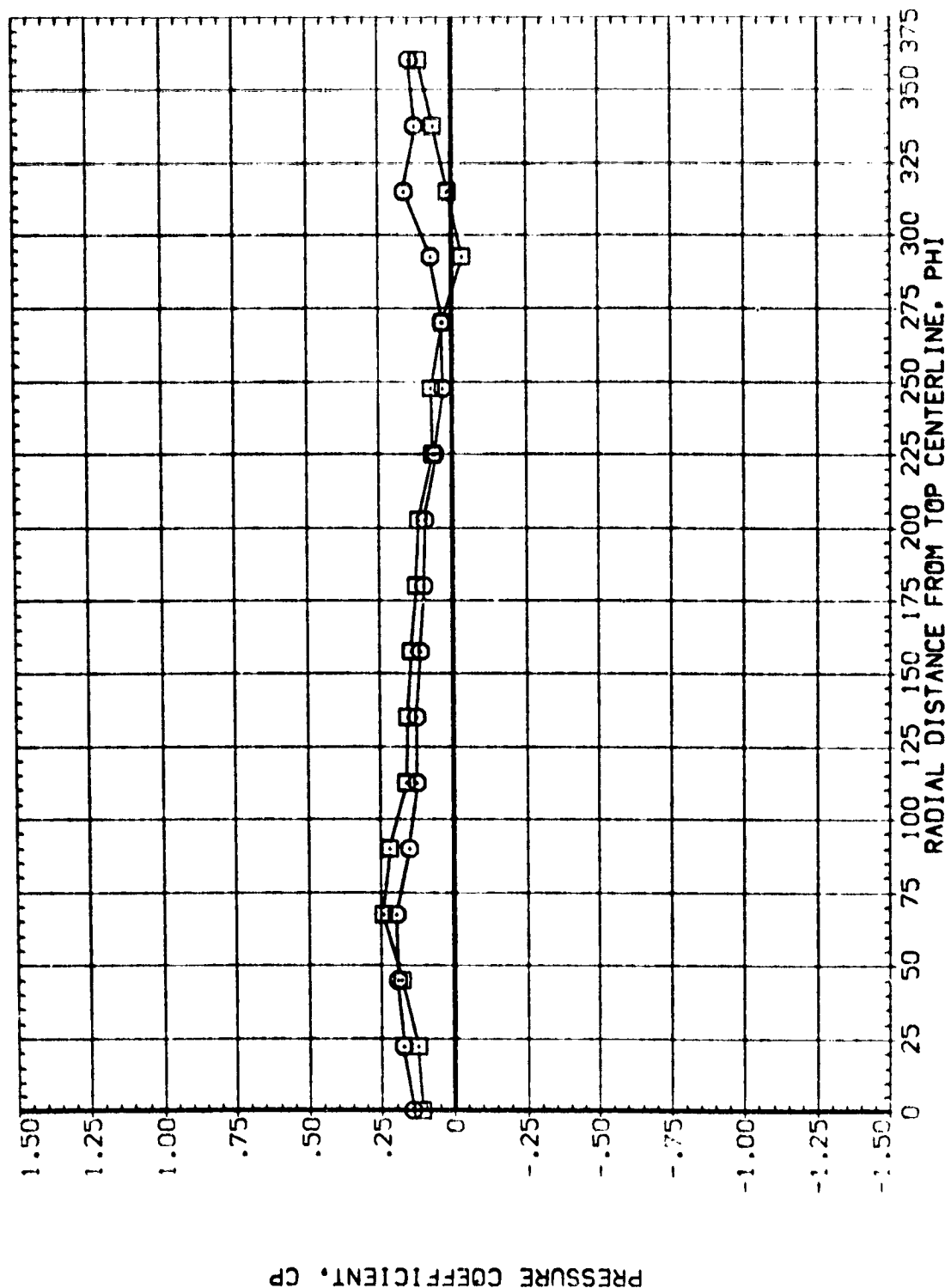
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.549	.000	3.500	SREF 6.198	.000 CONF16 90.000
□	.657			LREF 5.313	.140 RUDDER .000
◇	.765			BREF 5.313	.000 DRBINC .500
△	.883			XREF 2.549	
				YREF .972	
				ZREF .000	



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

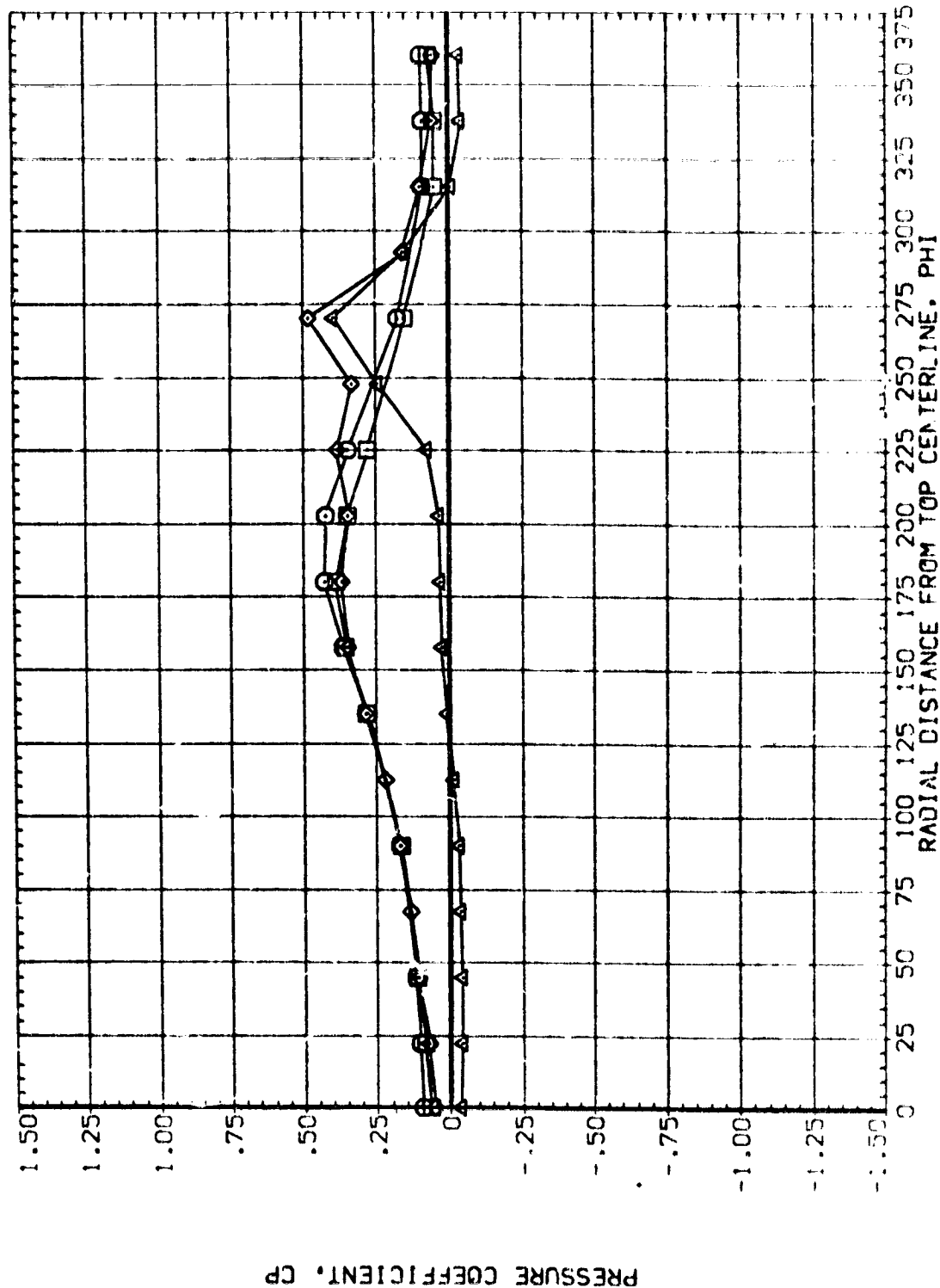
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	ZMRP	50. IN.	BETA	CONF IS
○	.912	.000	3.500	5.198	5.313	5.313	2.549	.972	IN.	DELTA Z	.000
□	.965								IN.	X-SRB	.140
									IN.	ORBITER	.000
									IN.	ORBITER	.500



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

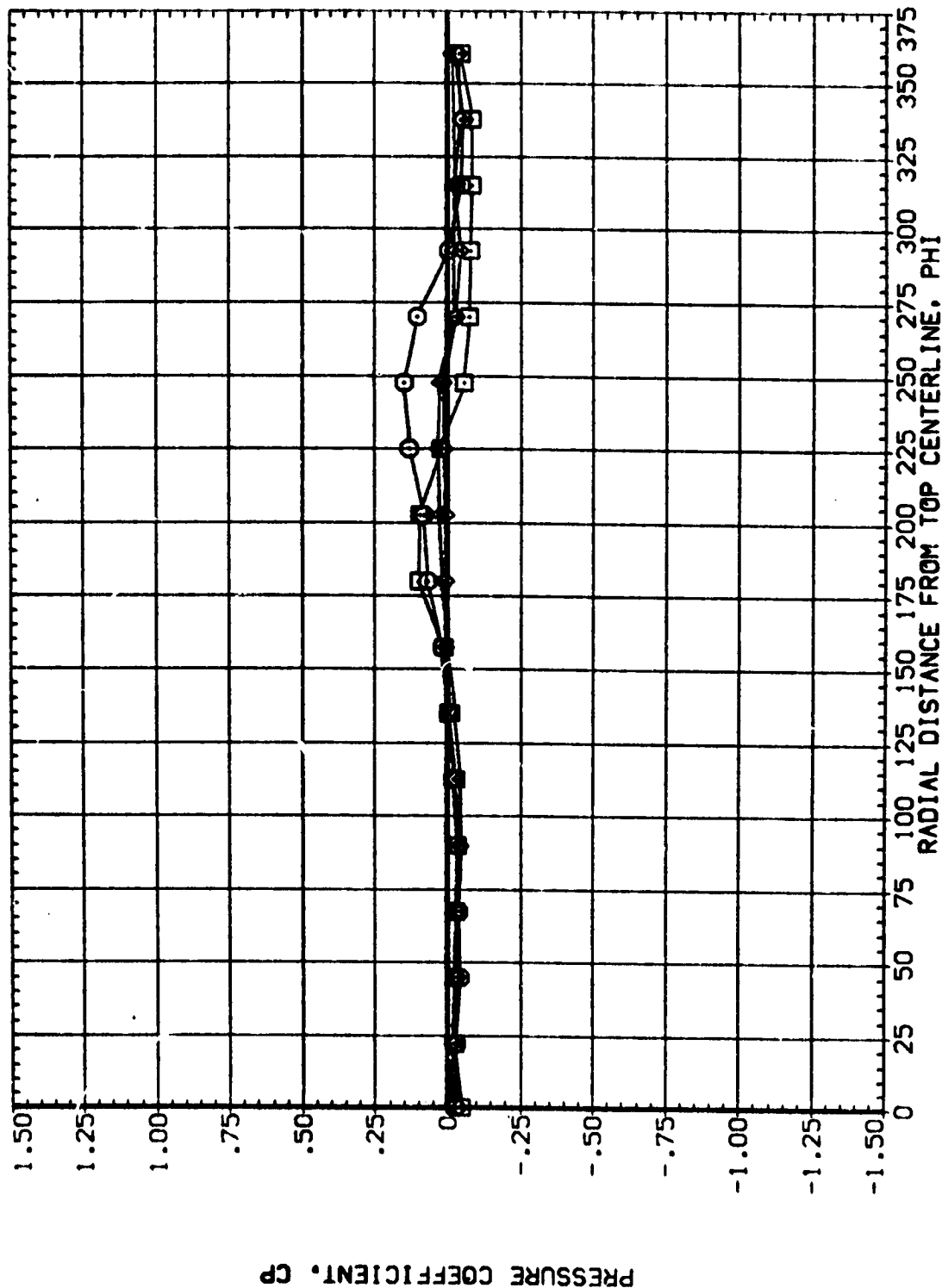
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	5.198	BETA	CONFIS	90.000	
□	.043	8.000	3.500	LREF	5.313	DELTA Z	.000	RUDER	.000
◇	.072			BREF	5.313	X-508	.140	ORIGIN	.000
△	.101			XRRP	2.549		.000		.500
	.116			YRRP	.972				
				ZRRP	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

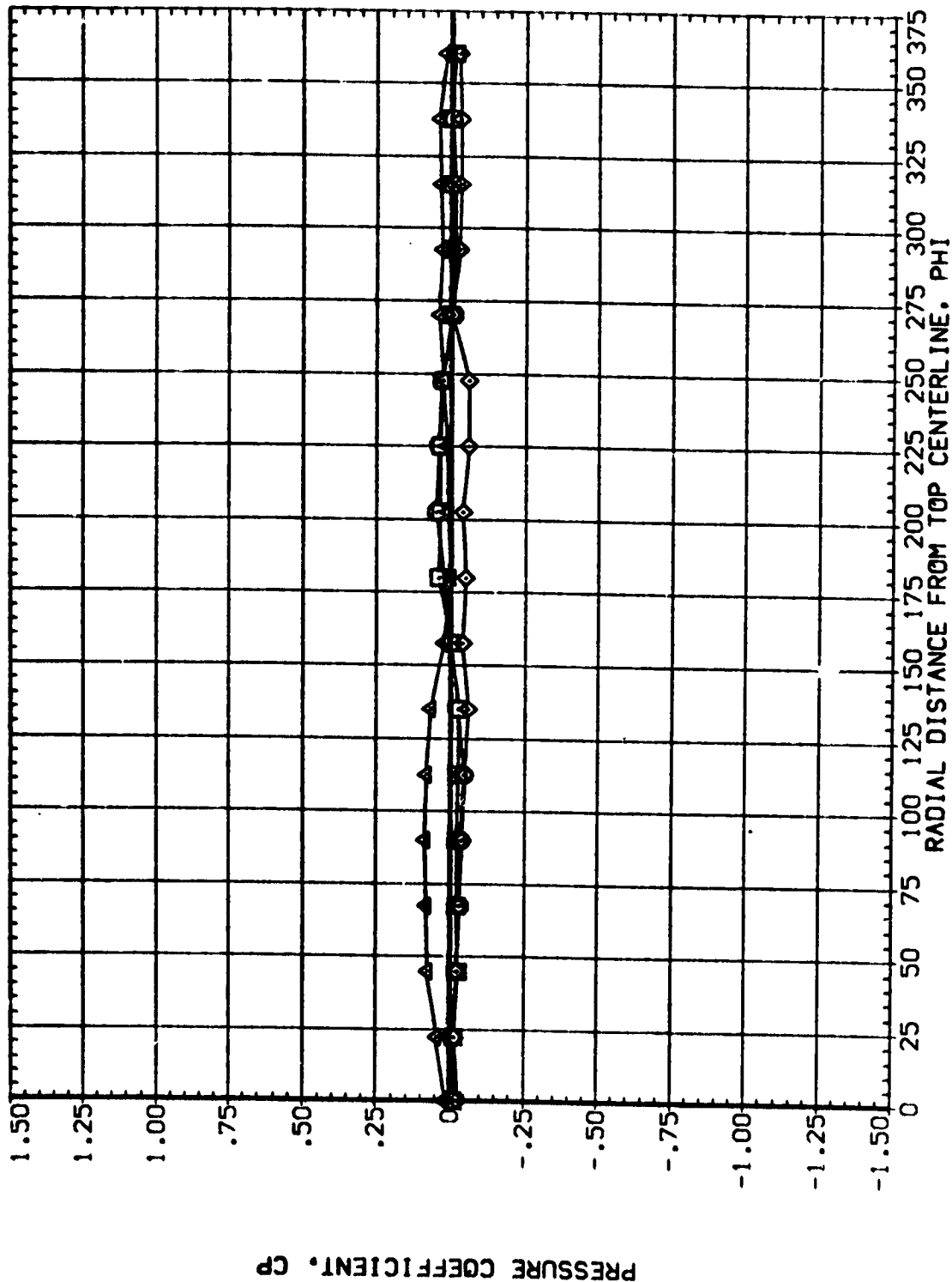
SYM	X/L	ALPHA	MACH	REF. DATA		PARAMETRIC VALUES	
				SREF	DELTA	CONF	CONF
1	.152	8.000	3.500	5.313	DELTAZ	.000	CONF16
2	.224			5.313	X-SPE	.140	RUGGER
3	.332			2.549		.000	ORBITC
4	.440			.572			
				.000			



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S01)

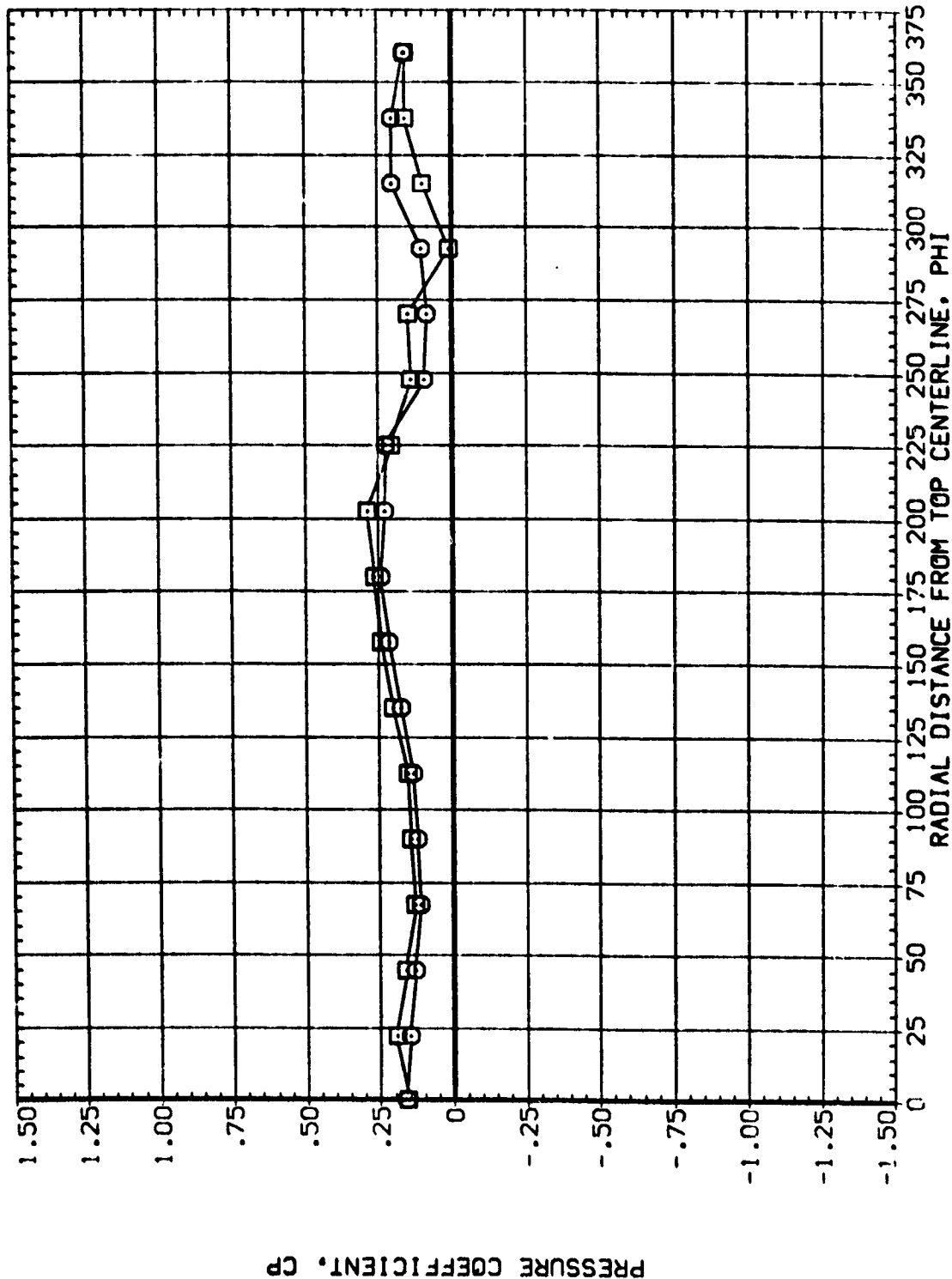
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SRM	SO. IN.	BETA	CONFID	SO.000	
○	.549	8.000	3.500	5.313	IN.	DELTA Z	.140	RUDDER	.000
□	.557			5.313	IN.	X-SUB	.000	ONBINC	.500
◇	.765			2.549	IN.				
△	.883			.972	IN.				
				.000	IN.				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82501)

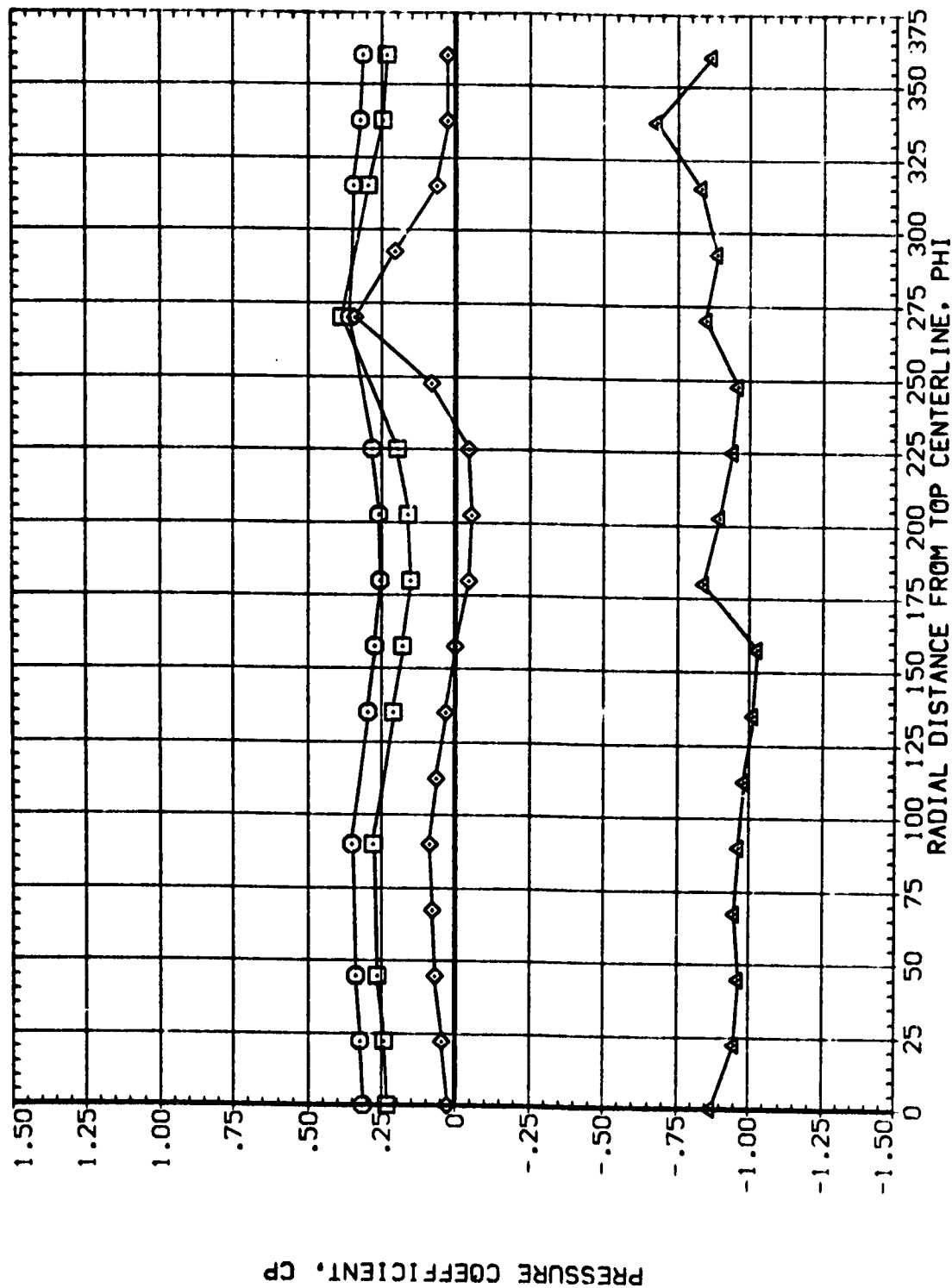
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONFIG	RUDDER	ORBITAL
□	.912	8.000	3.500	6.198	5.313	5.313	2.549	DELTAZ	.000	.140	.000
□	.955			6.198	5.313	5.313	2.549	X-SUB	.000	.000	.500
				YREF	ZREF	YREF	ZREF				
				.972	.000	.972	.000				



PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

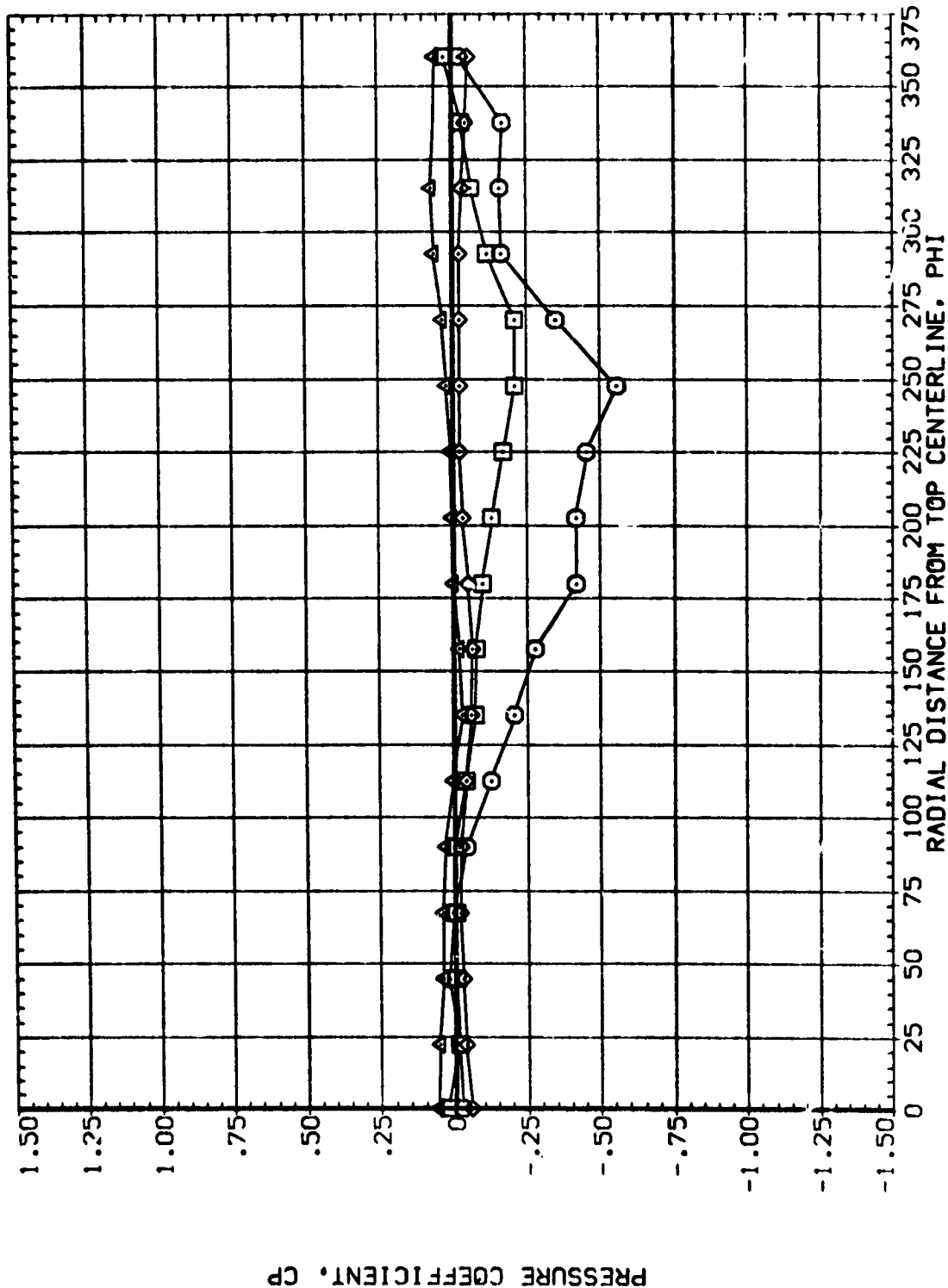
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YREF	ALPHA	CONF16	RUDDER	ORBIT
□	.043	-8.000	.900	6.198	5.313	5.313	2.549	.000	.140	.000	.500
◇	.072							DELTA Z			
△	.116							X-SRB			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

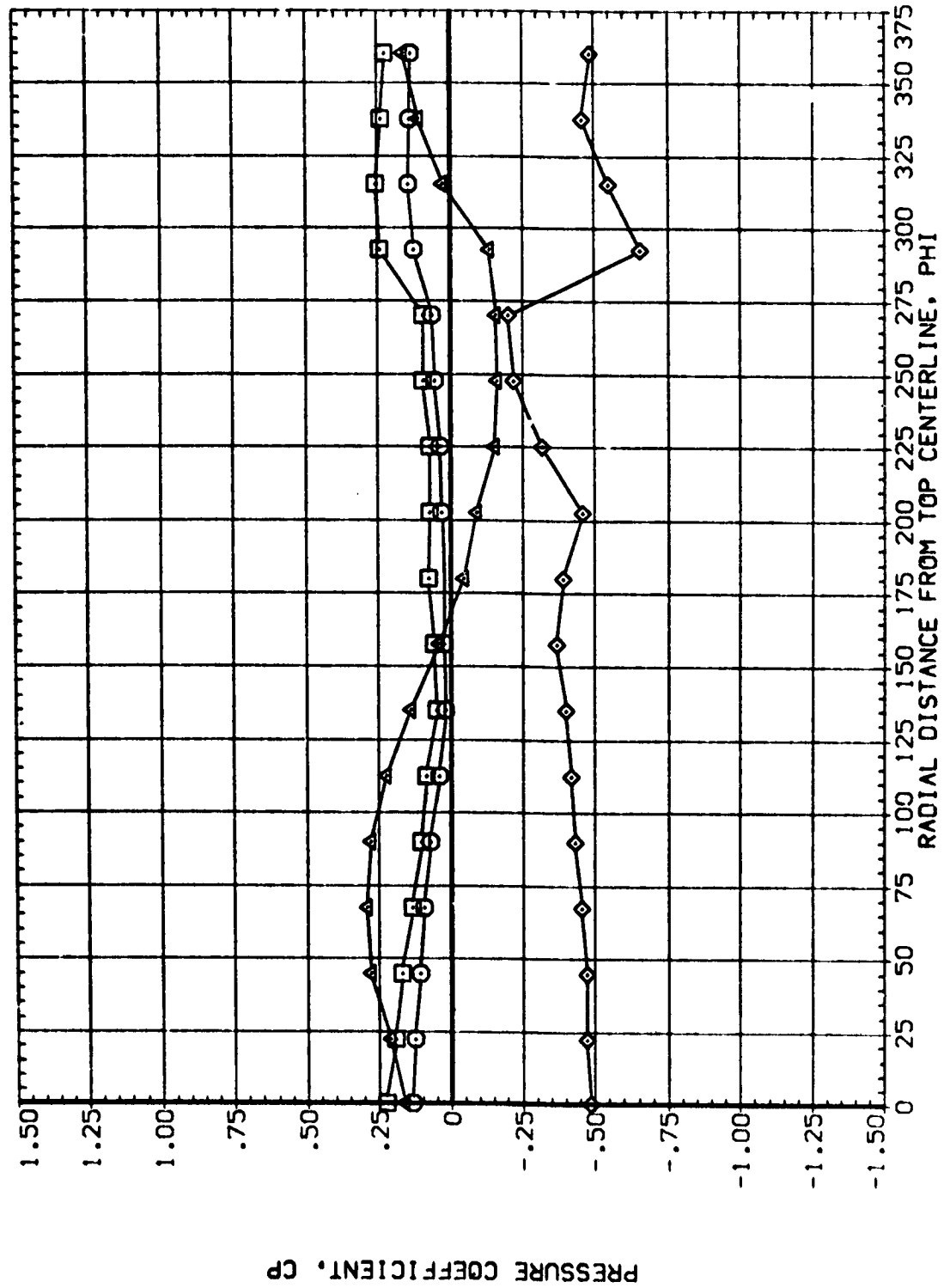
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SR	ALPHA	CONF	CONF	
○	.152	-8.000	.900	5.198	5.313	DELTAZ	.000	.000	.000
□	.224			5.313	5.313	X-SRB	.140	.000	.000
◇	.332			2.549			.000	.000	.500
△	.440			.972					
				.000					



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

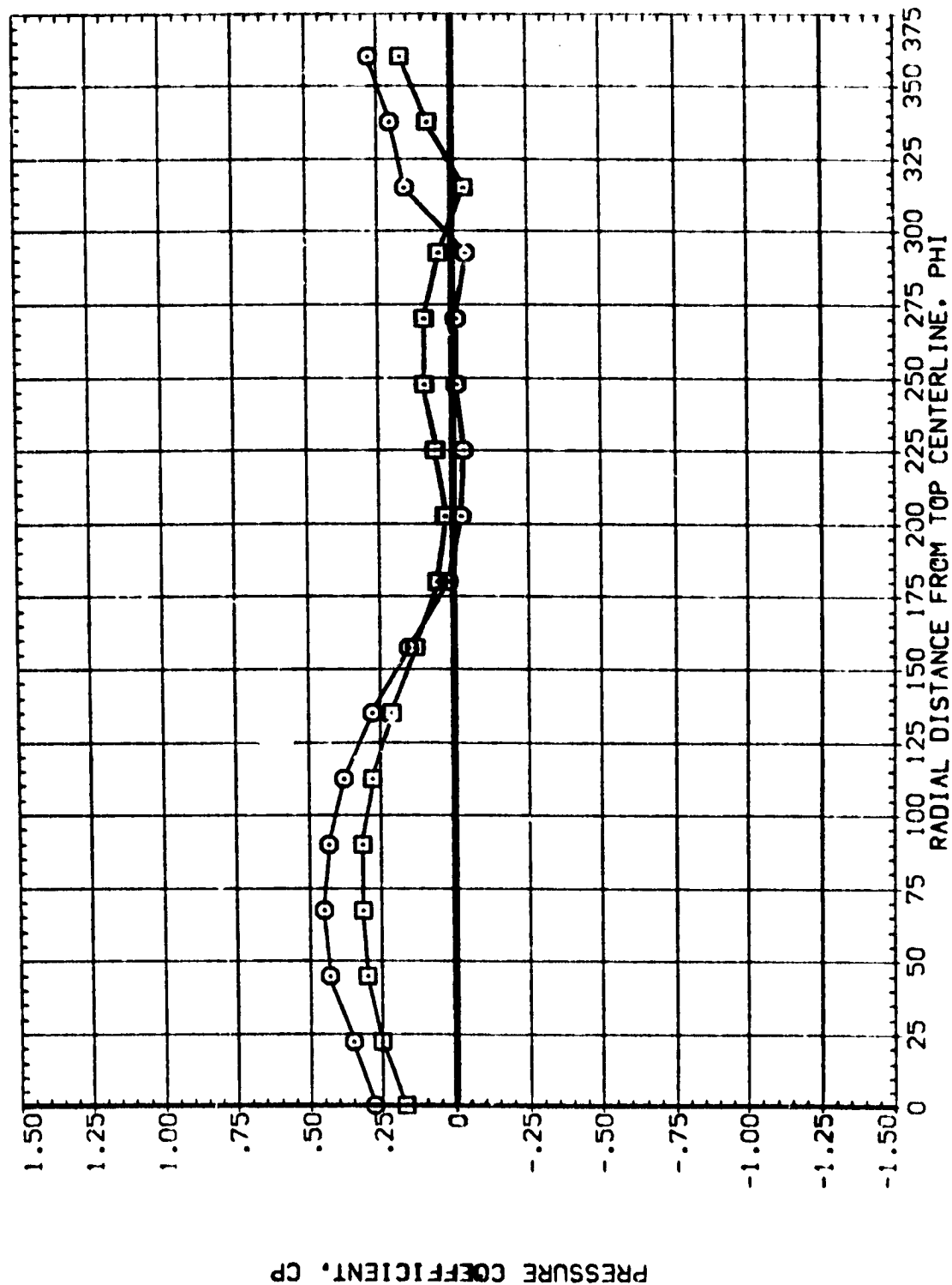
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES					
				SREF	LREF	BREF	XMRP	ALPHA	DELTAZ	X-SRB	CONF IG	RUDDER	ORIGIN
○	.549	-8.000	.900					6.198	IN.	.000	.140	.000	.000
□	.657							5.313	IN.	.000	.000	.000	.500
◇	.765							5.313	IN.	.000	.000	.000	.000
△	.863							2.549	IN.	.972	.000	.000	.000



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

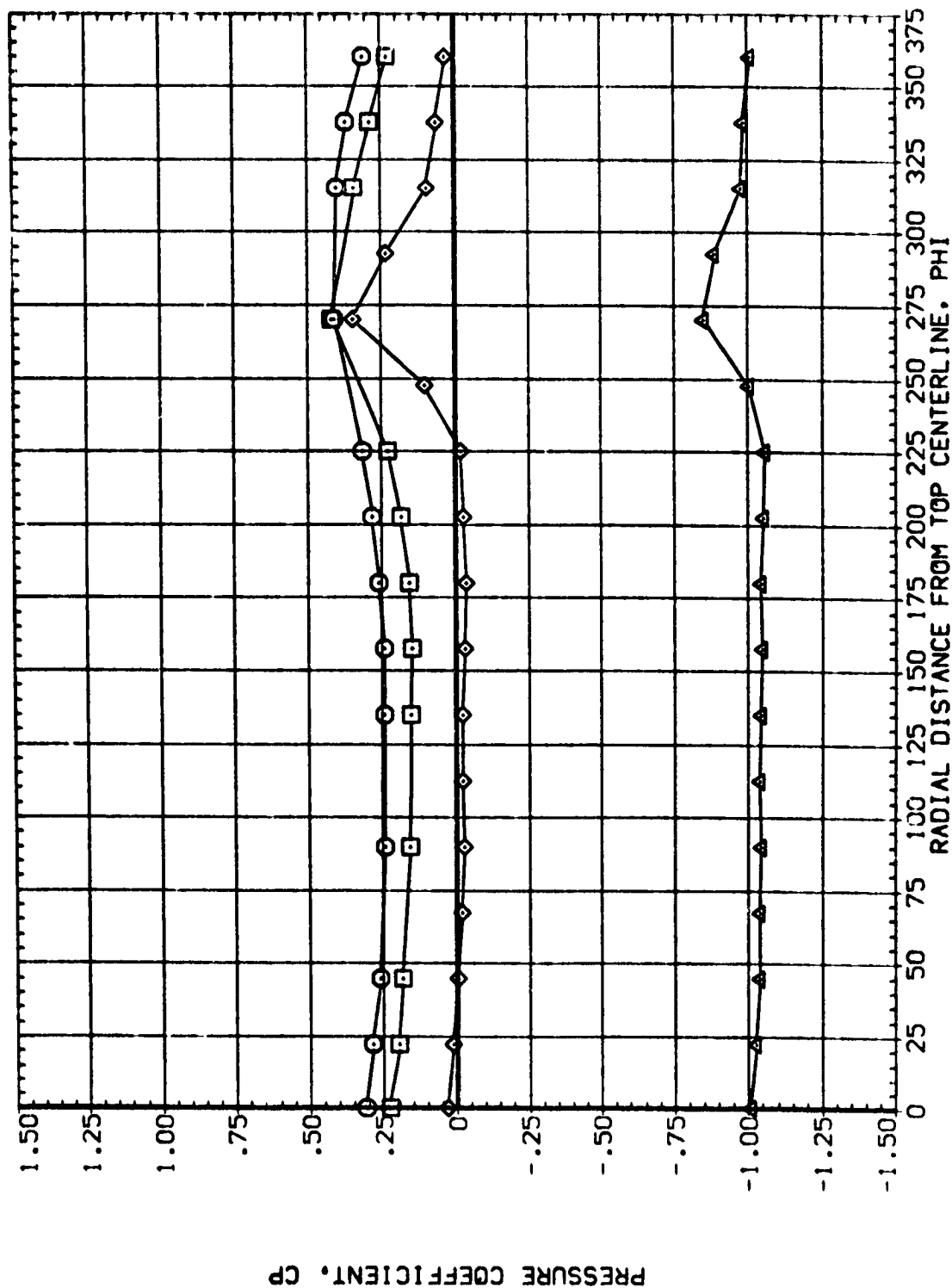
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	ALPHA	CONFIG	50.000
○	.912	-8.000	.900	LREF	5.313	DELTA Z	RUDDER	.000
□	.955			BREF	5.313	X-SRB	ORBINE	.500
				XPRP	2.549			
				YPRP	.972			
				ZPRP	.000			



RADI, . PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

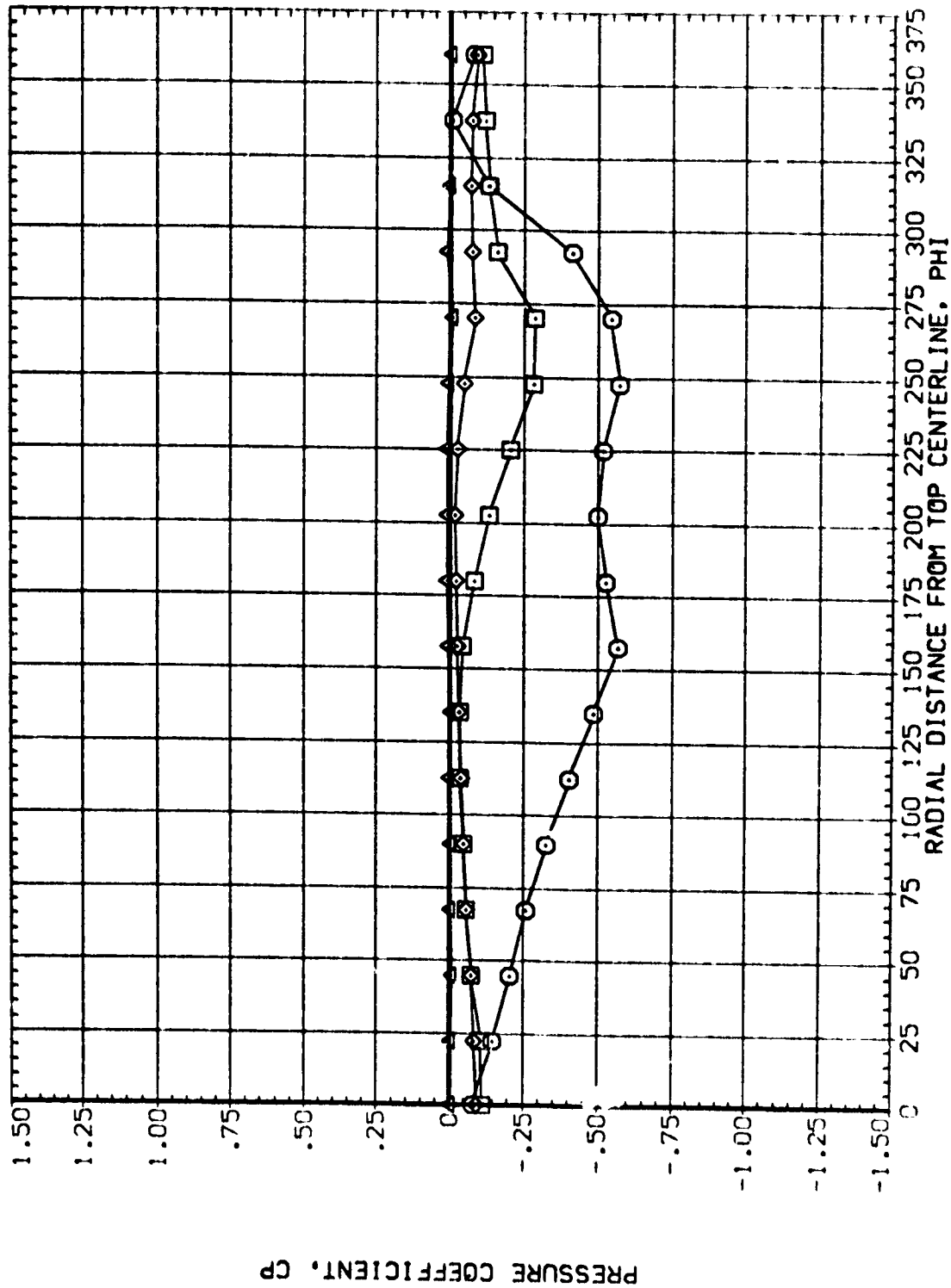
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	ALPHA	CONFIG	90.000
○	.043	.000	.900	LREF	5.313	DELTAZ	RUDER	.000
□	.072			BREF	5.313	X-SRB	ORIGIN	.500
◇	.101			YMRP	2.549			
△	.116			ZMRP	.972			
					.000			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

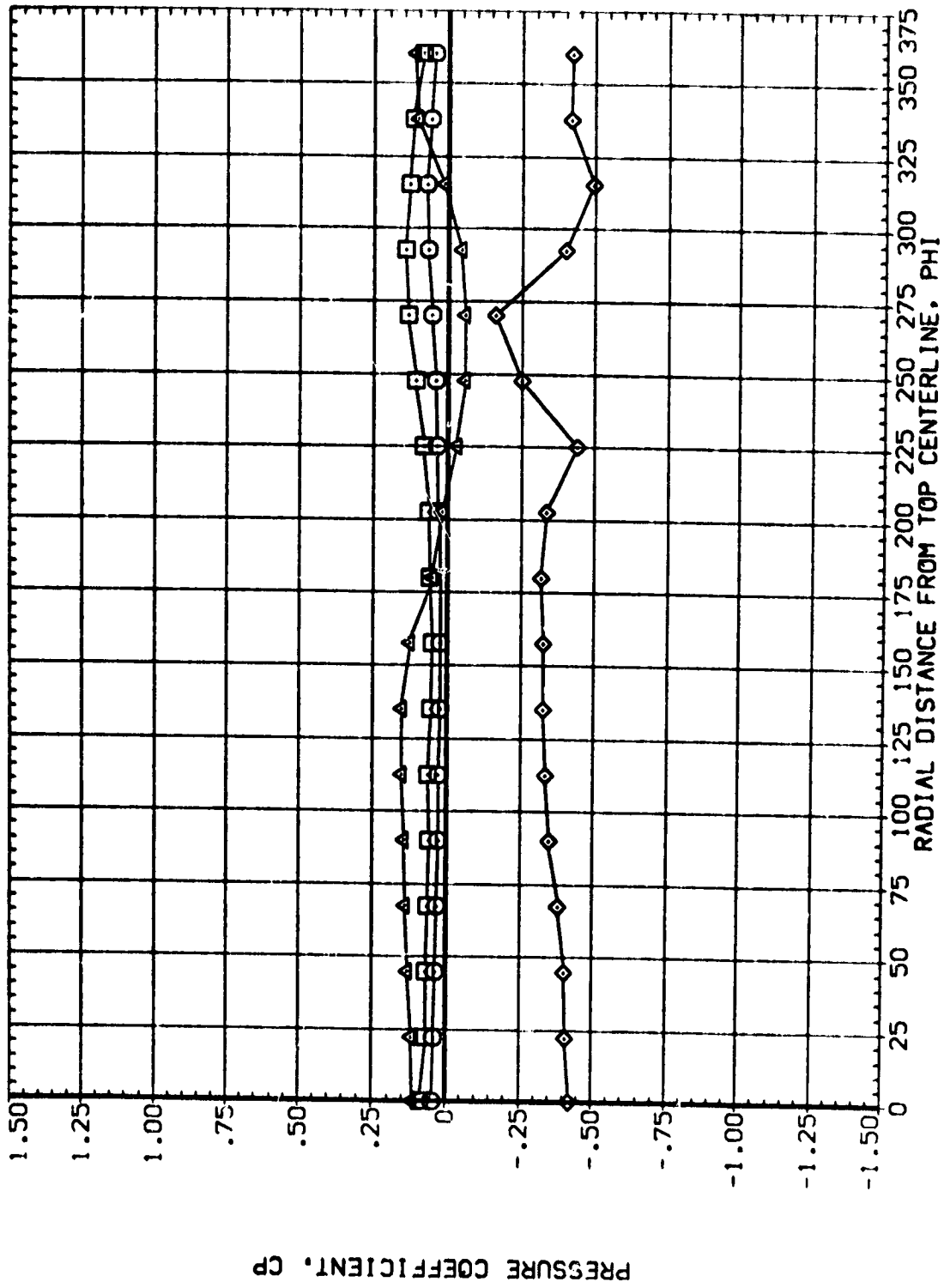
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.152	.000	.900	SREF 6.198	CONF 16
□	.224	.000	.900	LREF 5.313	DELTA Z
◇	.332	.000	.900	BREF 5.313	RUDDER
△	.440	.000	.900	XREF 2.549	ORBITAL
				YREF .972	
				ZREF .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

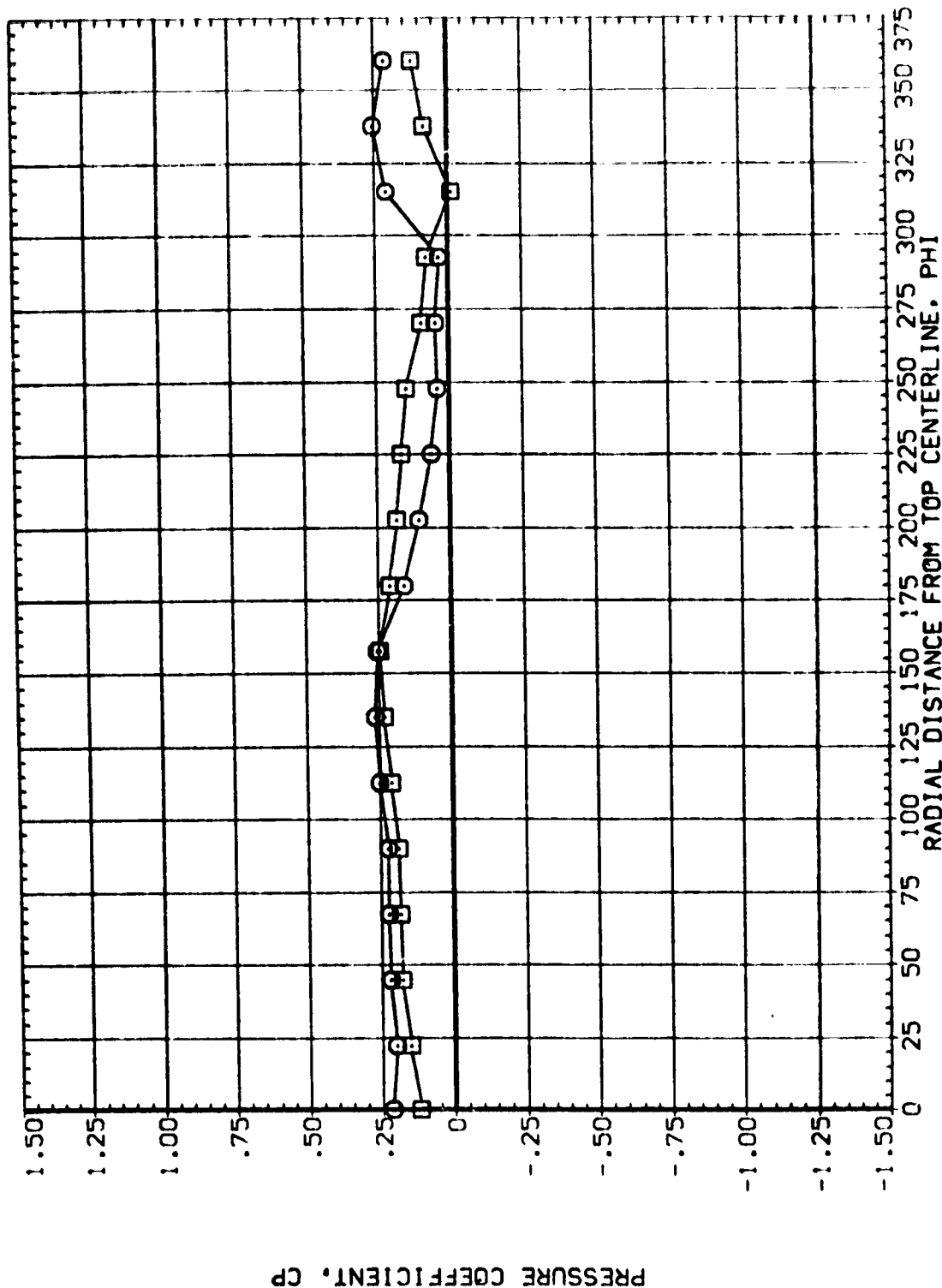
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SO. IN.	ALPHA	CONF IG	90.000
□	.549	.000	.900	LREF	5.313	IN.	DELTA Z	RUDER	.000
◇	.657			BREF	5.313	IN.	X-598	DRB INC	.500
△	.765			YREF	2.549	IN.			
	.883			ZREF	.972	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

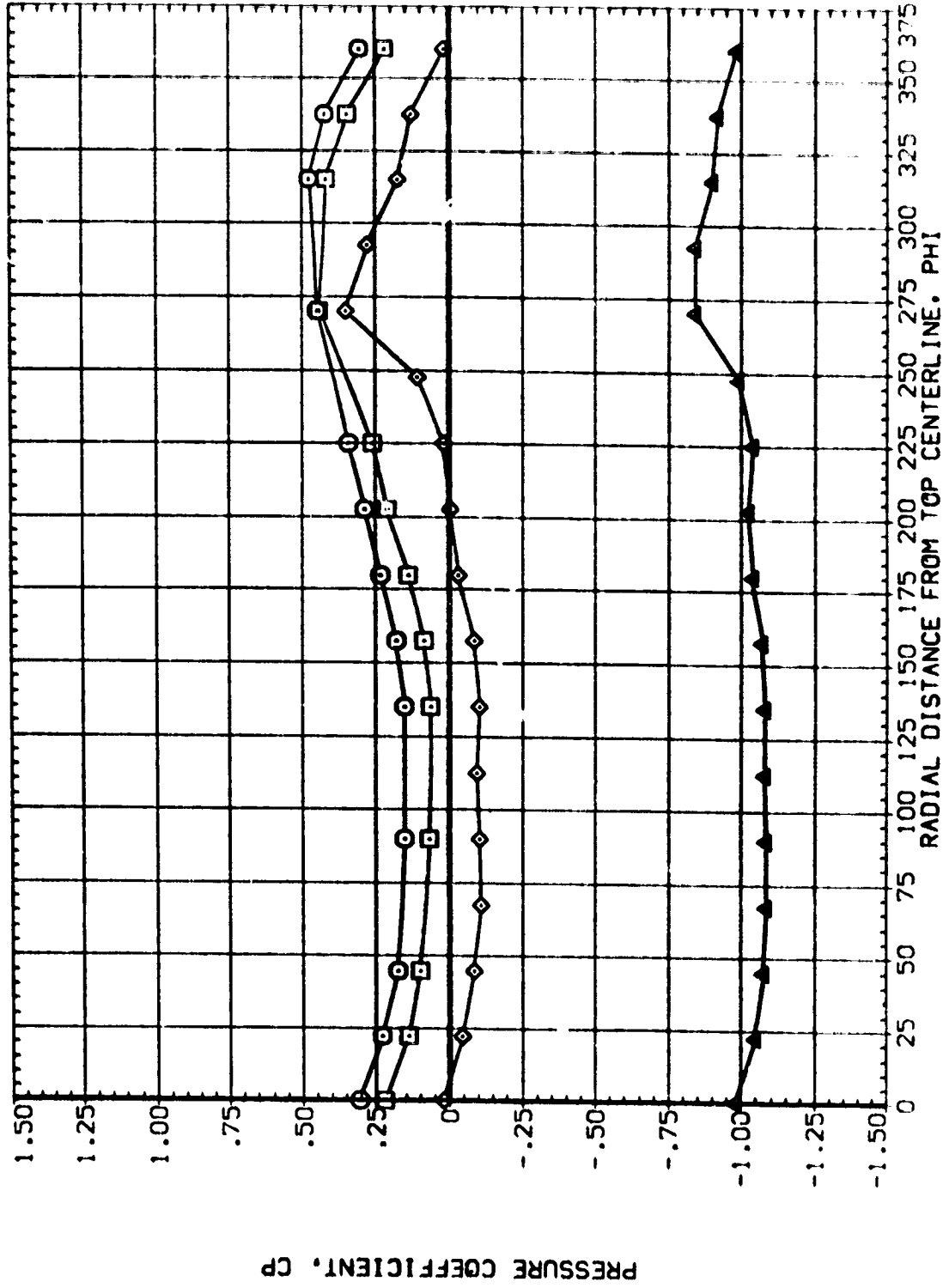
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SO. IN.	ALPHA	CONF IG	SO.000
○	.912	.000	.900	6.198	5.313	5.313	2.549	IN.	DELTA Z	RUDDER	.000
□	.955	.000	.900	5.313	2.549	.972	.000	IN.	X-SRB	ORBITAL	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

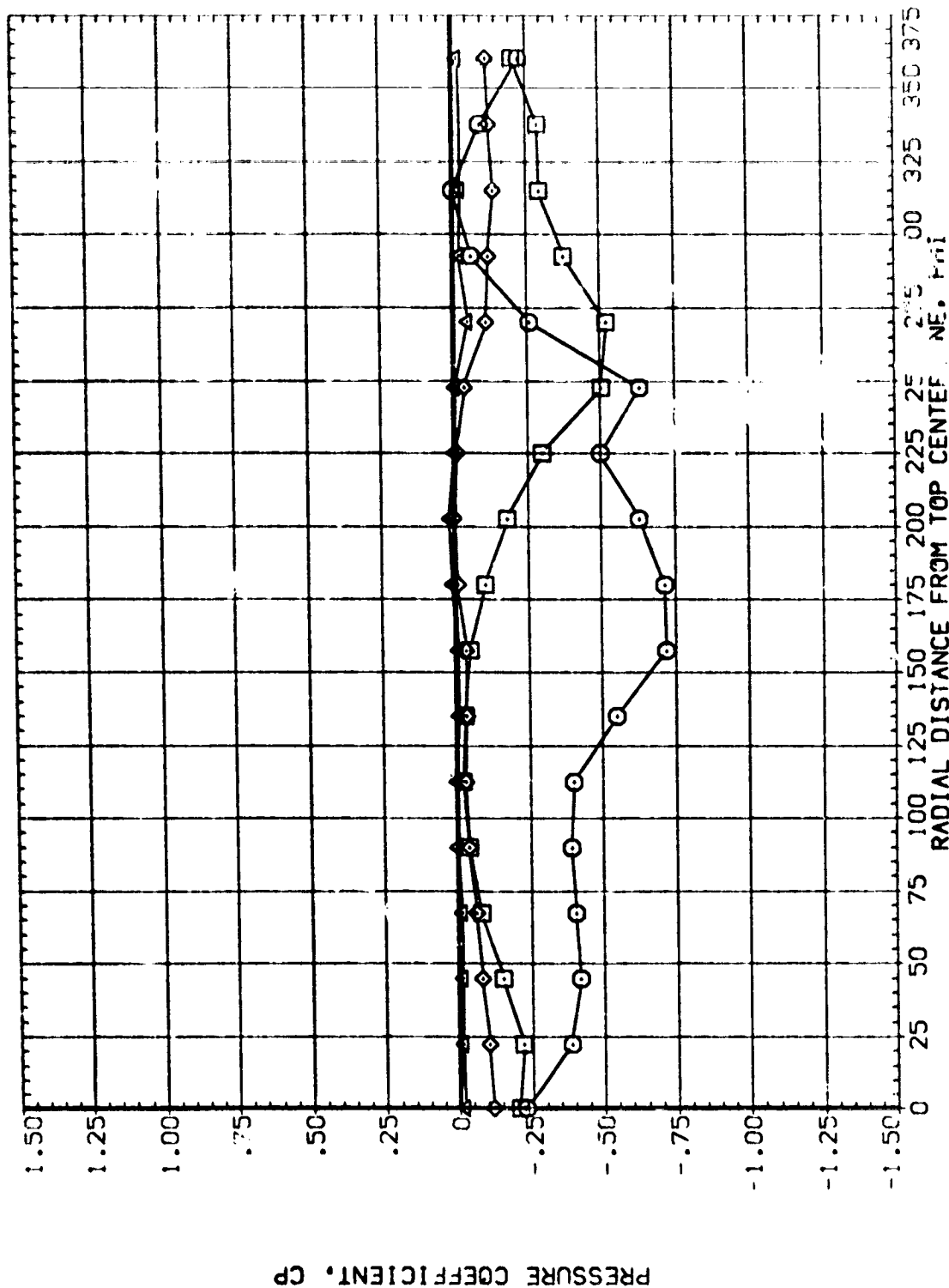
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LRREF	BRF	YREF	ALPHA	CONF16	CONF16	CONF16
○	.043	8.000	.900	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.072							X-SRB	.000	.000	.500
◇	.101										
△	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

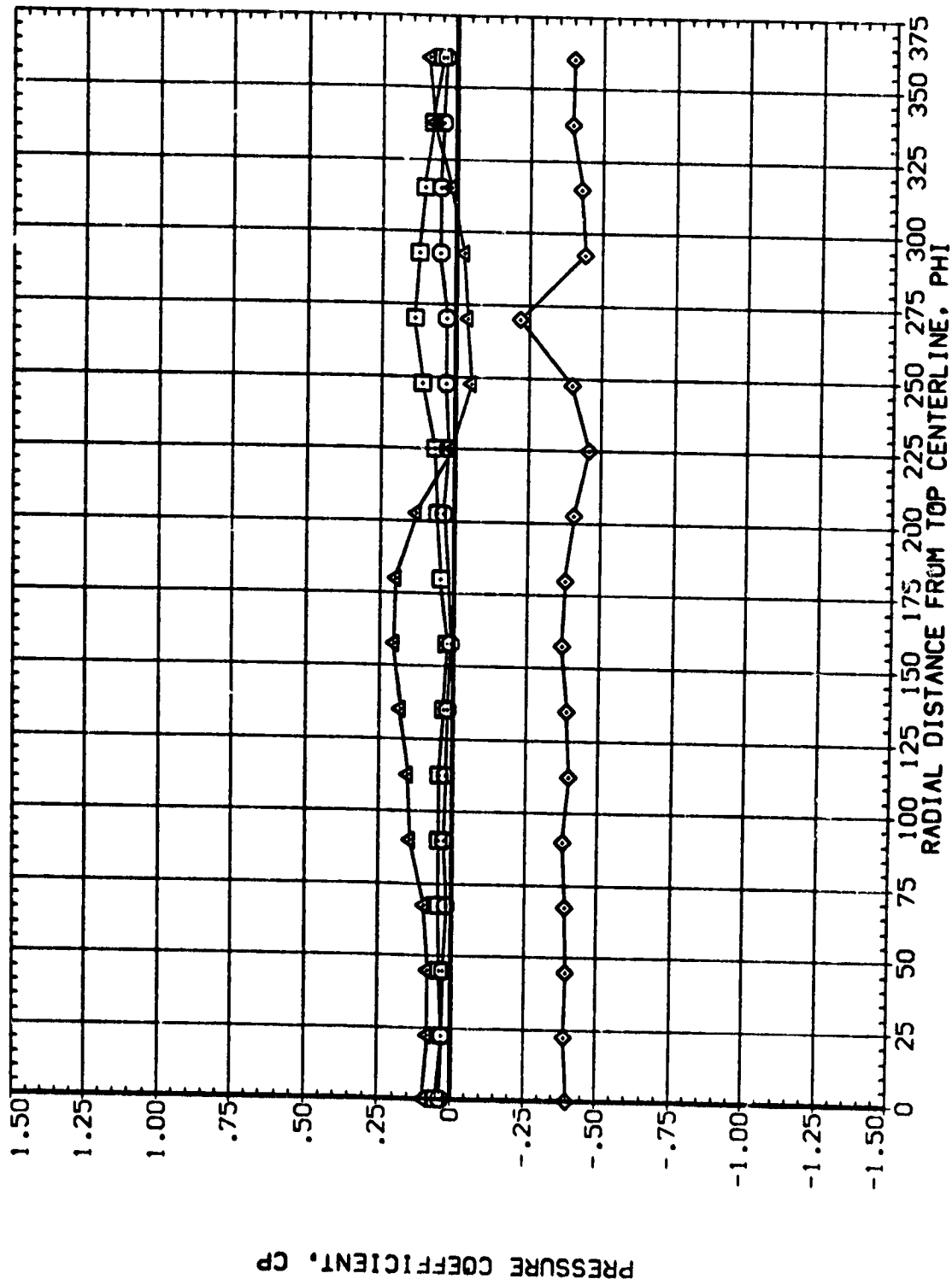
SYMBOL	X/LS	BET/	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	ALPHA	CONF IG	
○	.152	8.000	.900	LREF	5.313	DELTA Z	.000	RUDER
□	.224			BREF	5.313	X-SRB	.140	.000
◇	.332			YMRP	2.549		.000	068 INC
△	.440			ZMRP	.972		.000	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

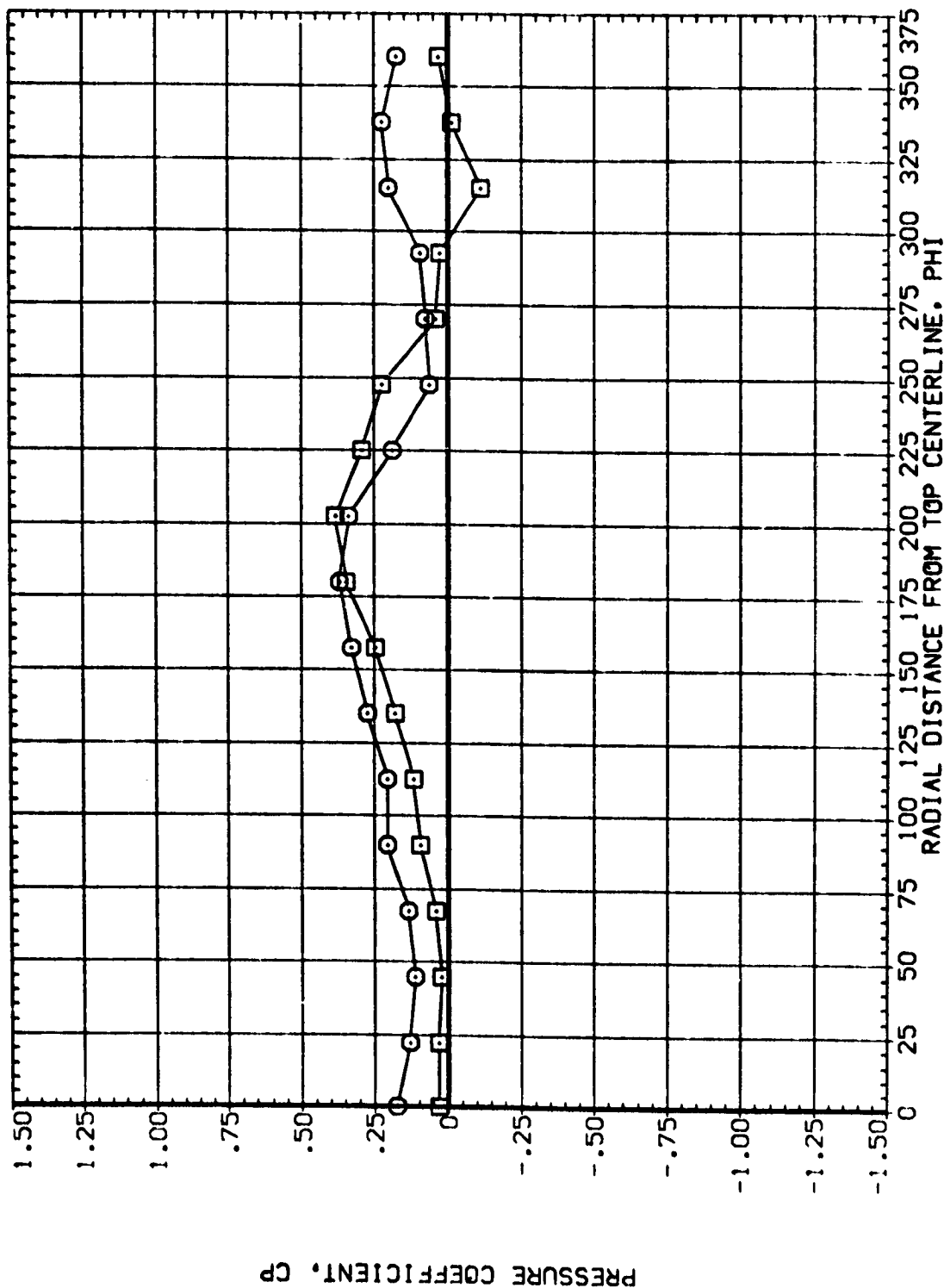
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	DELTA Z	CONF IG	90.000
□	.549	8.000	.900	5.198	5.313	5.313	2.549	.000	.140	RUDDER	.000
◇	.657			.972	.000			X-SRB		ORBITAL	.500
△	.883										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

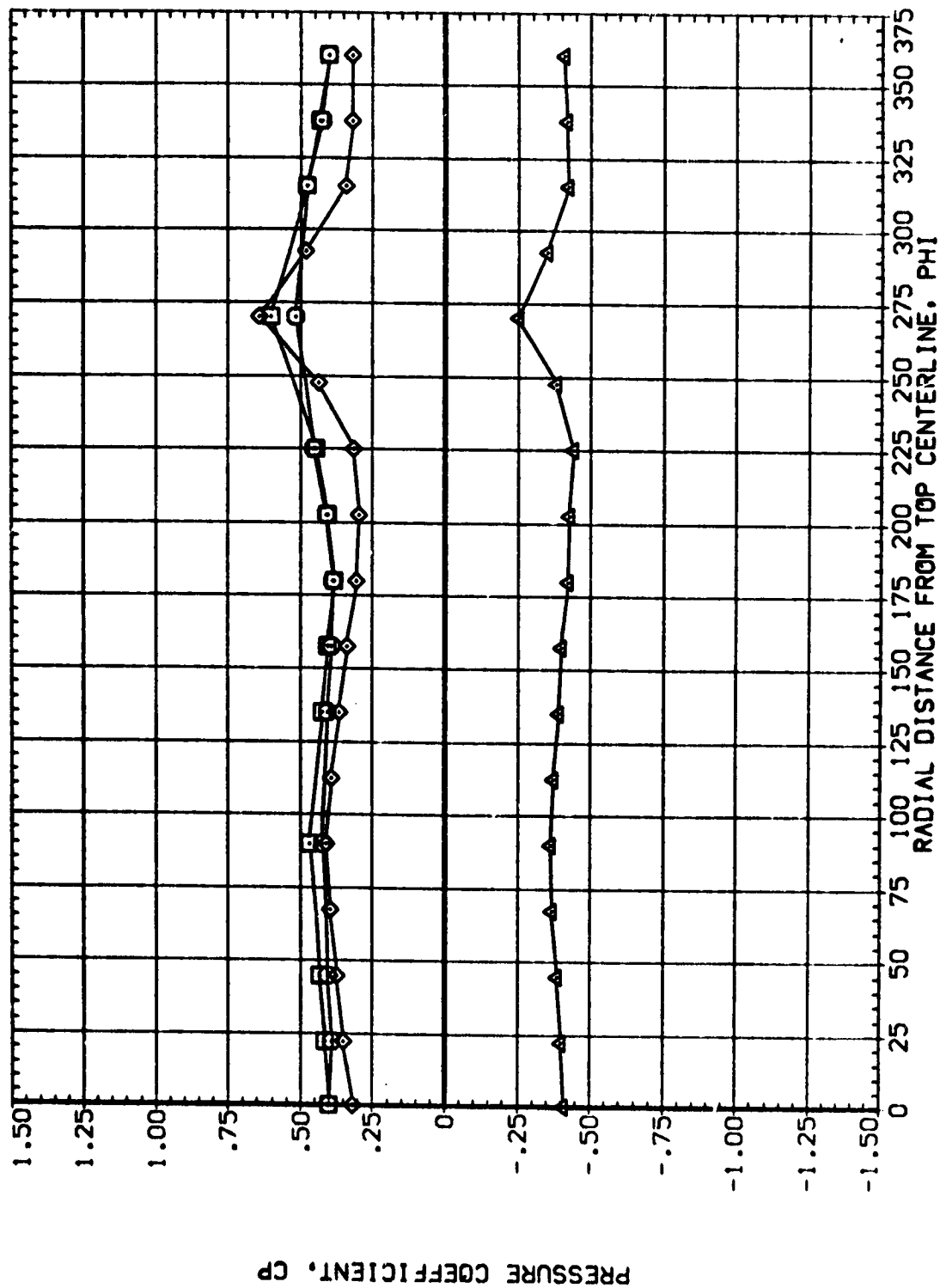
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	ALPHA	CONF 16	90.000	
<input type="checkbox"/>	.912	6.000	.900	LREF	5.313	DELTA Z	RUDDER	.000	
<input type="checkbox"/>	.955			BREF	5.313	X-SRB	.000	.000	
				YREF	2.549		<th>.500</th>	.500	
				ZREF	.972				
					.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

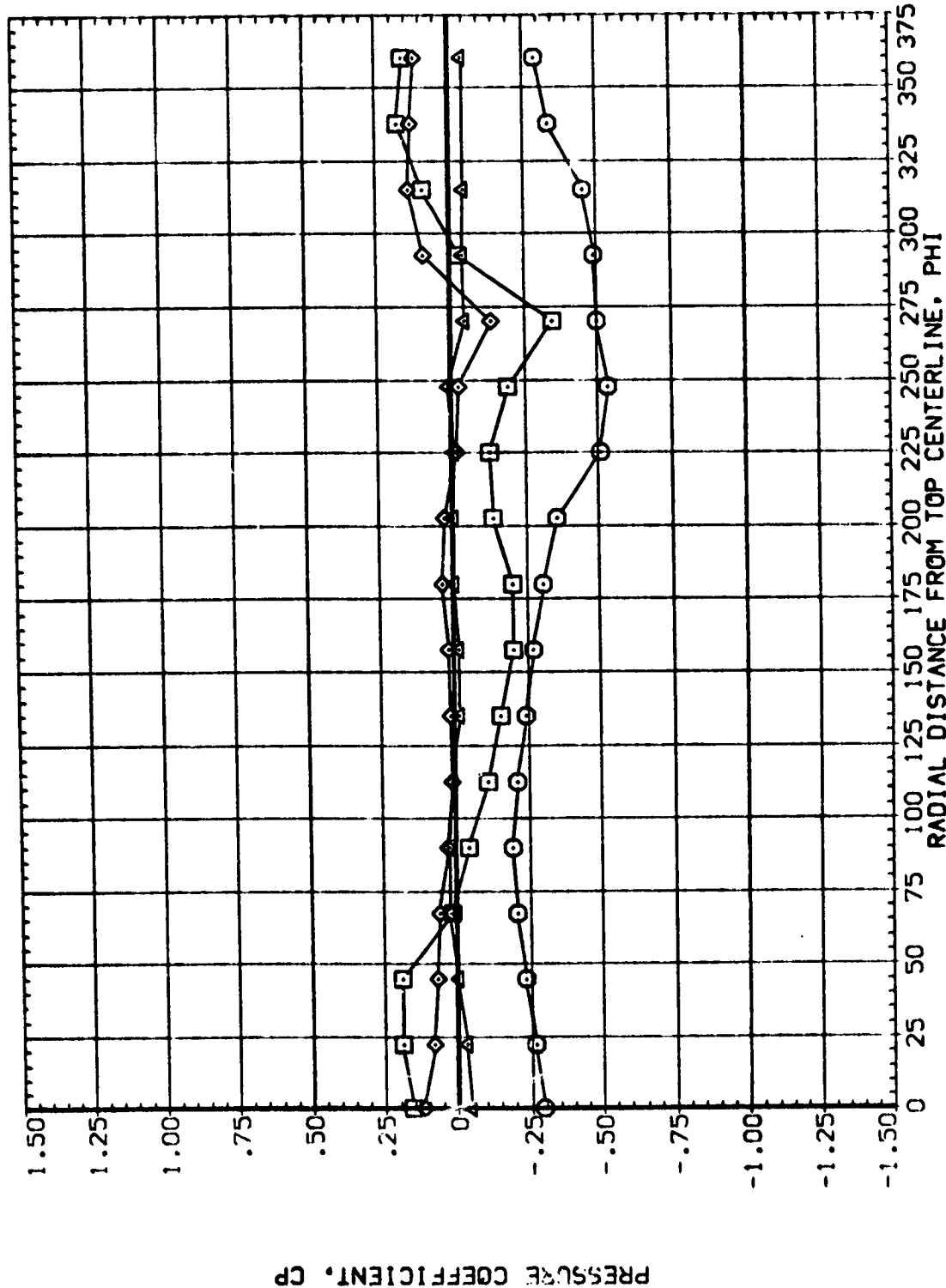
SYMBOL	XALS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
□	.043	-8.000	1.250	SREF 6.198	.000 CONF IG 90.000
□	.072			LREF 5.313	.140 RUDDER .000
◇	.101			BREF 5.313	.000 ORBINC .500
△	.116			XREF 2.549	
				YREF .972	
				ZREF .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

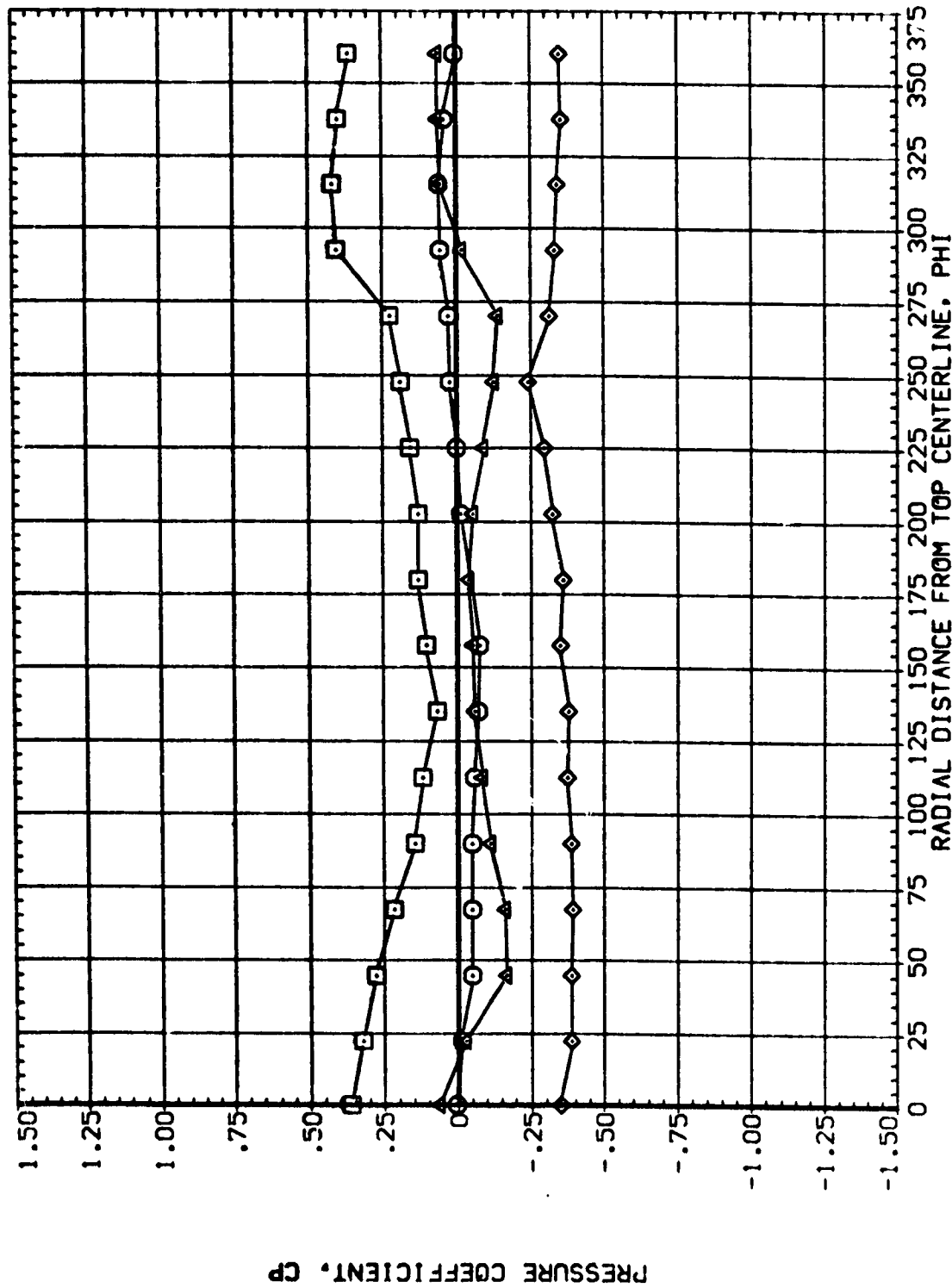
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XPRP	SD, IN.	ALPHA	CONFIG	90,000
□	.152	-8.000	1.250	5.198	5.313	5.313	2.549	IN.	DELTA Z	RUDER	.000
◇	.224							IN.	X-SRB	SRB INC	.000
△	.332							IN.			.500
▽	.440							IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

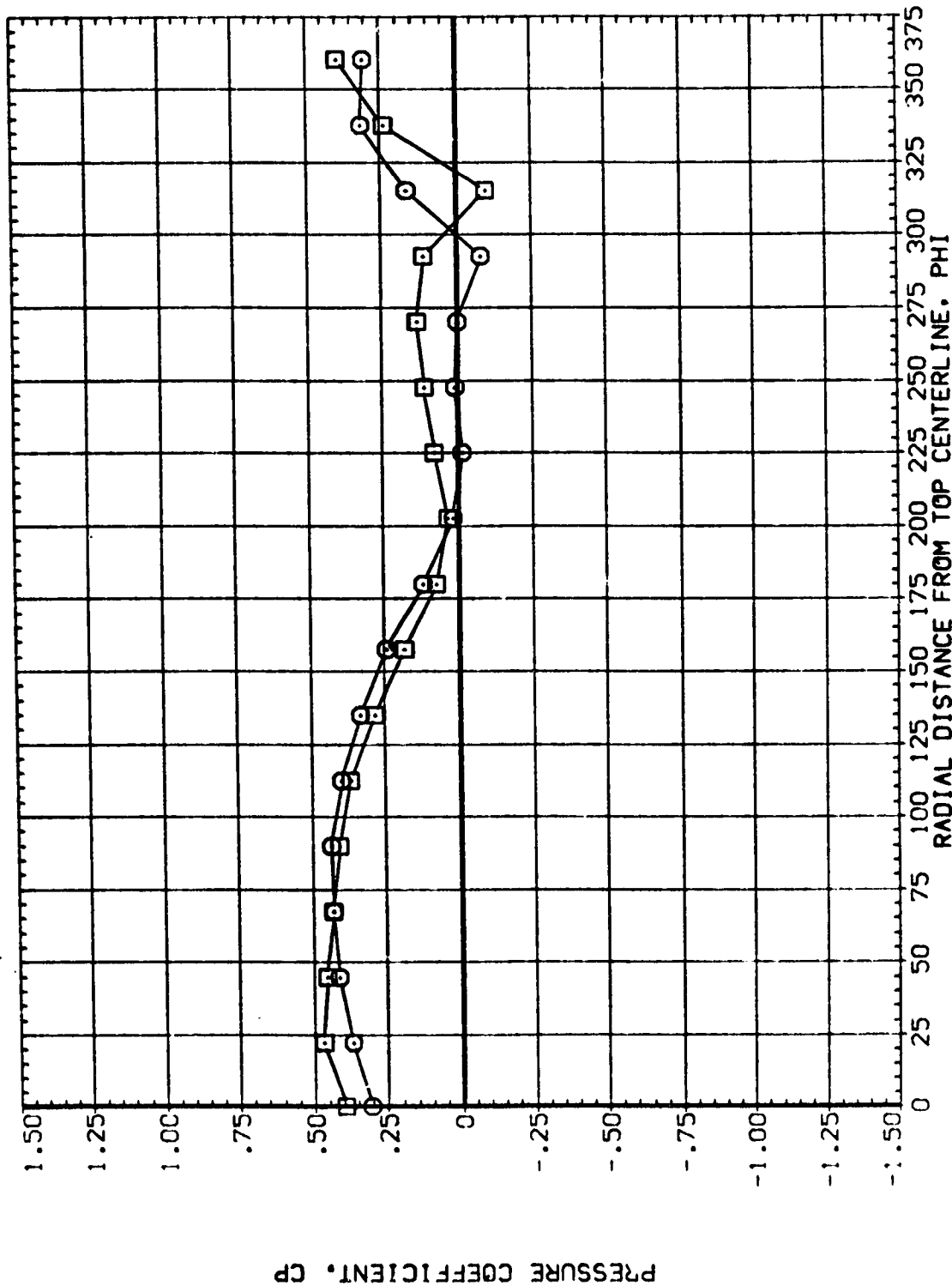
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	50. IN.	ALPHA	CONF IG	90.000	
□	.549	-8.000	1.250	LREF	5.313	DELTA Z	.000	RUDDER	.000
◇	.637			BREF	5.313	X-SRB	.000	DRBINE	.500
△	.765			YREF	2.549				
▽	.883			ZREF	.972				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

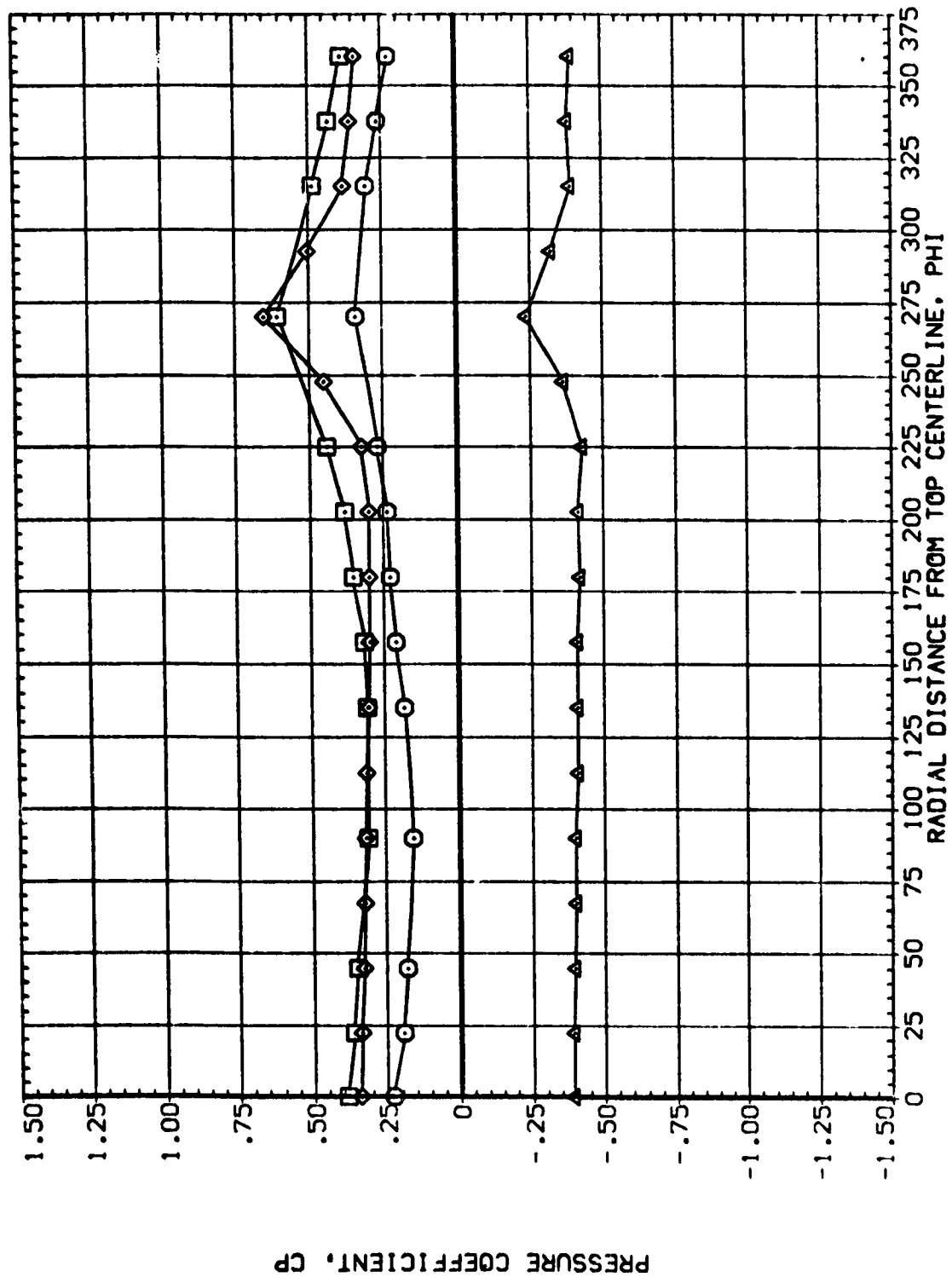
SYMBOL	X/L/S	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	ALPHA	.000	CONF16	.000	
○	.912	-8.000	1.250	LREF	DELTA Z	.140	RUDDER	.000	
□	.955			BREF	X-SRB	.000	ORBITAL	.500	
				XMRP					
				YMRP					
				ZMRP					



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

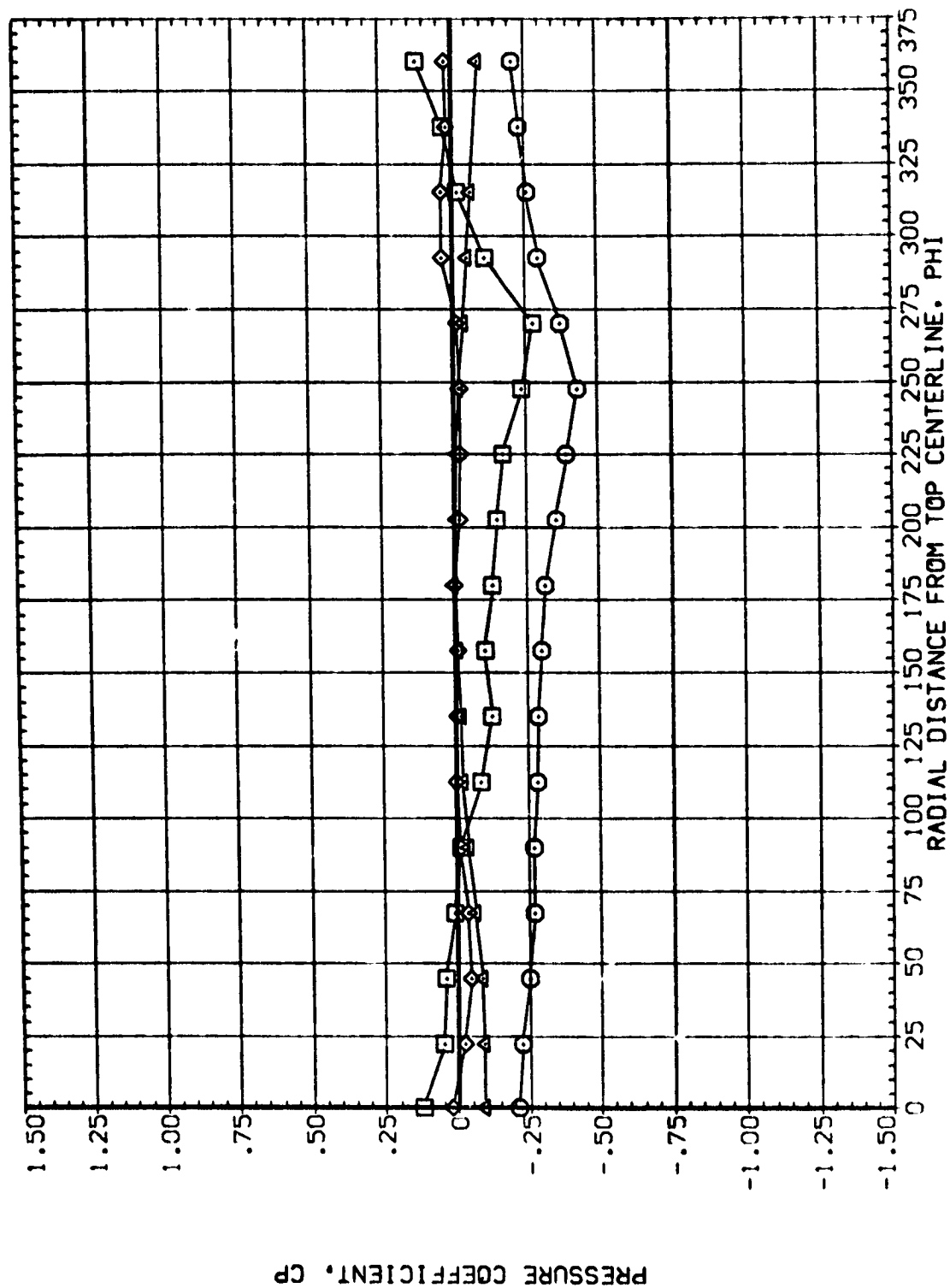
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	SO. IN.	ALPHA	DELTA Z	X-SRB
○	.043	.000	1.250	6.198	5.313	5.313	2.549	IN.	.000	.140	.000
◇	.072							IN.			
△	.101							IN.			
	.116							IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

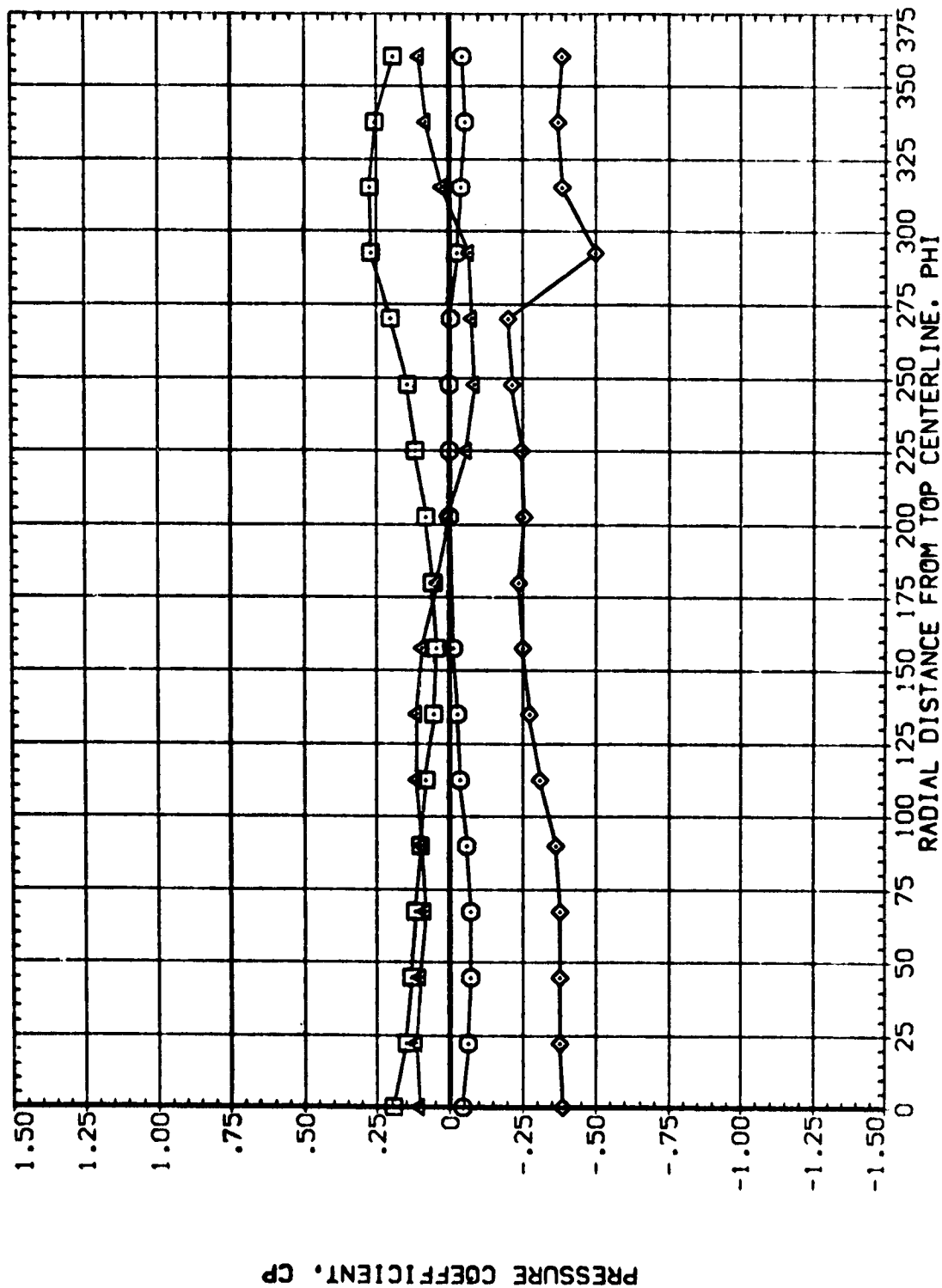
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SD. IN.	ALPHA	CONF 16	RUDDER	ORBITAL
□	.152	.000	1.250	5.198	IN.	DELTA Z	.000	.140	.000
◇	.224			5.313	IN.	X-SRB	.000	.000	.500
△	.332			2.549	IN.				
▽	.440			.972	IN.				
				ZMRP	.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

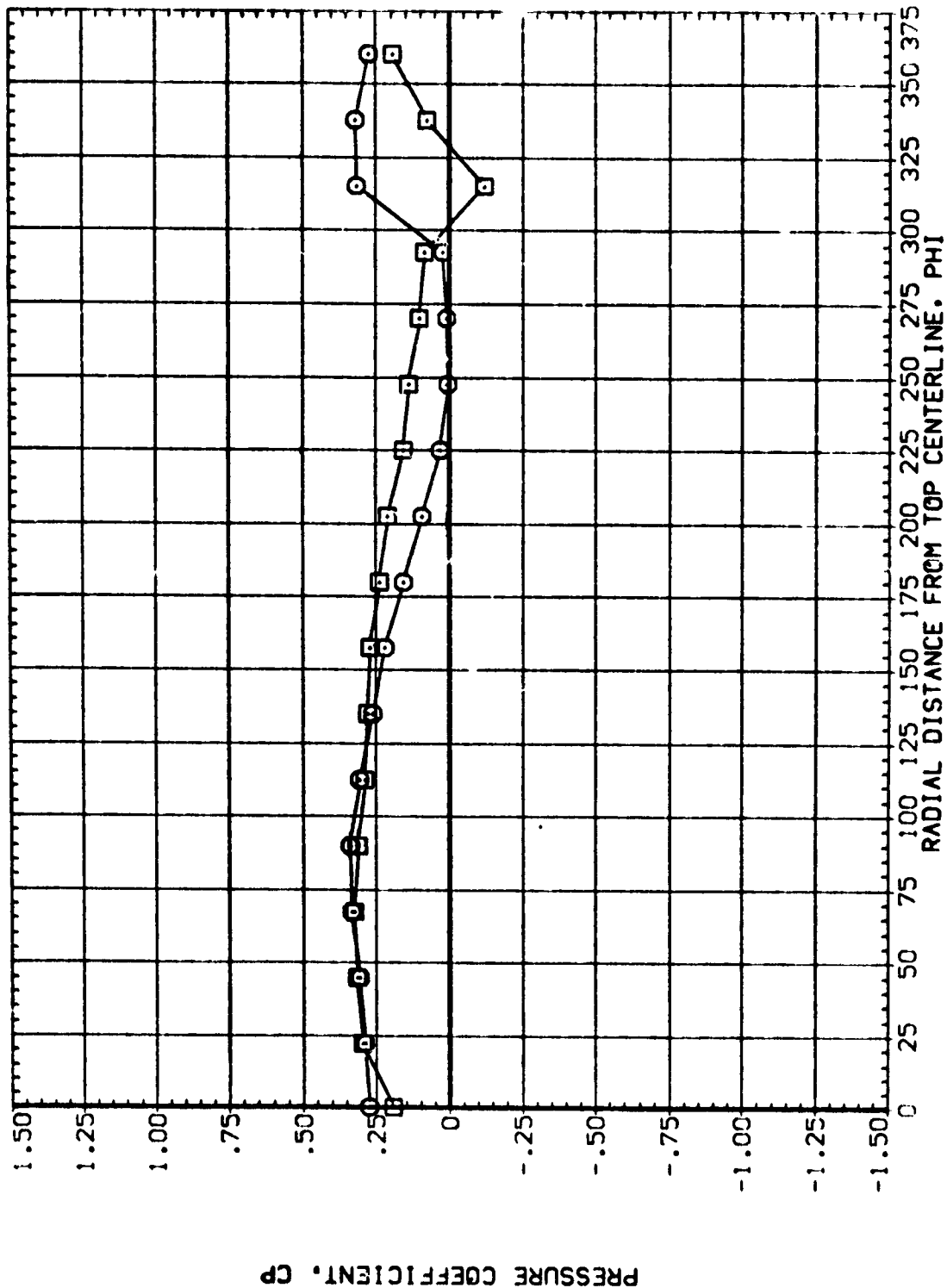
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	CONF16	RUDER	ORBIT
○	.549	.000	1.25C	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.657							X-SRB	.000	.000	.500
△	.765										
◇	.883										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

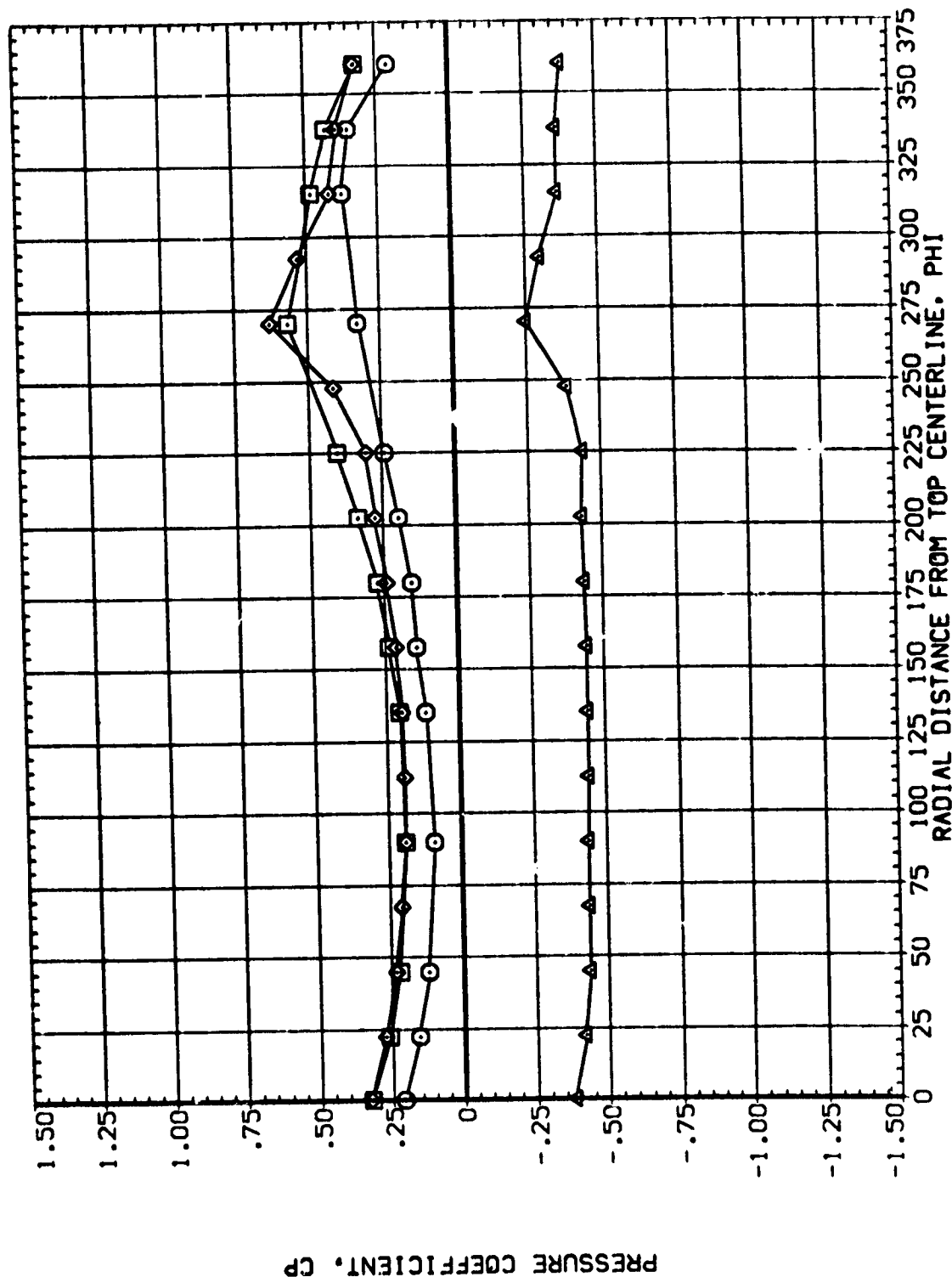
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
□	.912	.000	1.250	SREF 6.198	.000 CONF 16
□	.955			LREF 5.313	.140 RUDDER
				BREF 5.313	.000 ORG INC
				XMRP 2.549	
				YMRP .972	
				ZMRP .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

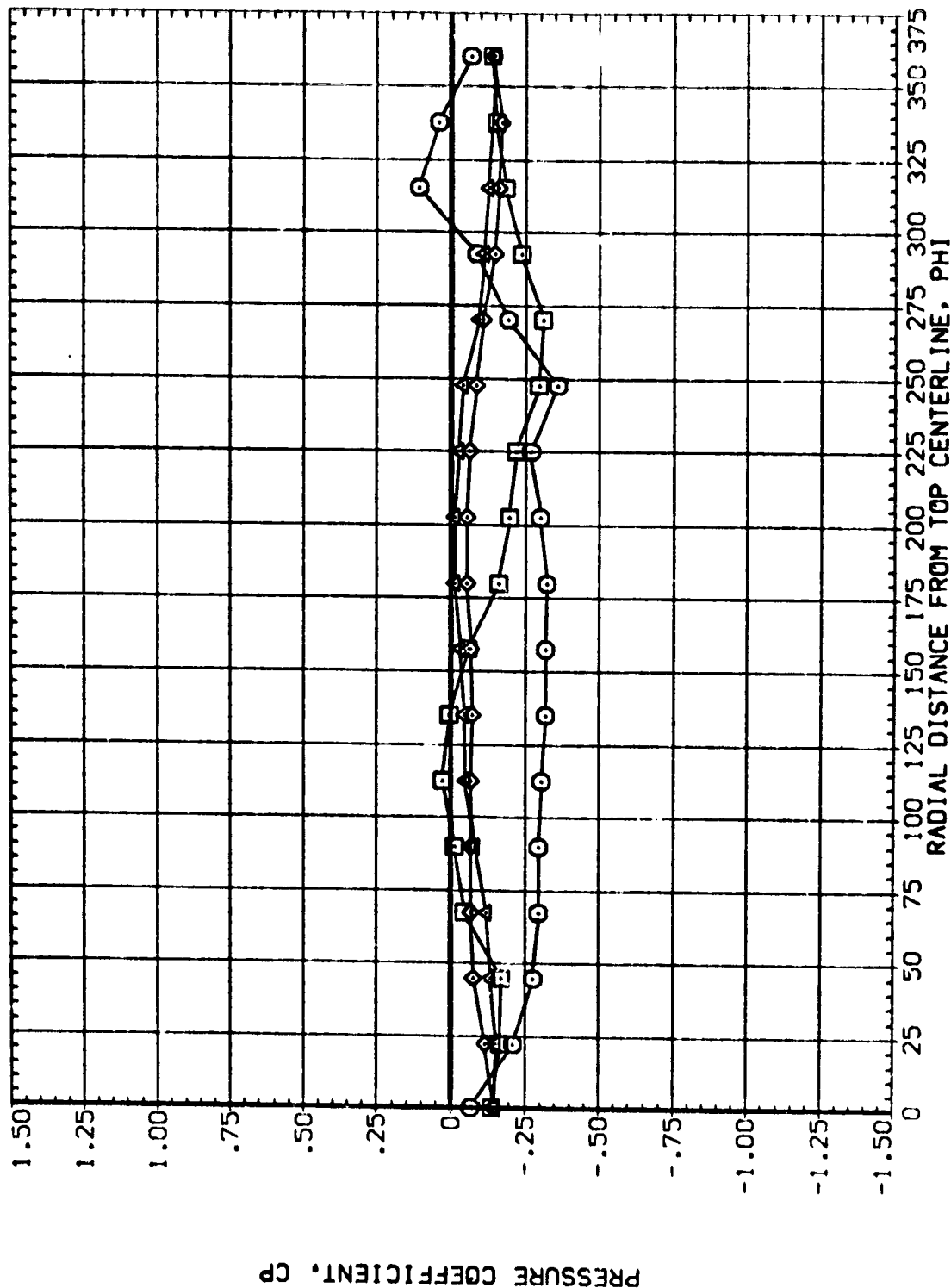
SYMBOL	X/LS	ZETA	MACH	REFERENCE DATA		ALPHA DELTAZ X-908	PARAMETRIC VALUES		
				SREF	SD. IN.		.000	CONF IG	90.000
□	.043	8.000	1.250	LREF	5.313	X-908	.140	RUDER	.000
◇	.072			BREF	5.313		.000	ORBIT	.500
△	.101			XREF	2.549				
	.116			ZREF	.972				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

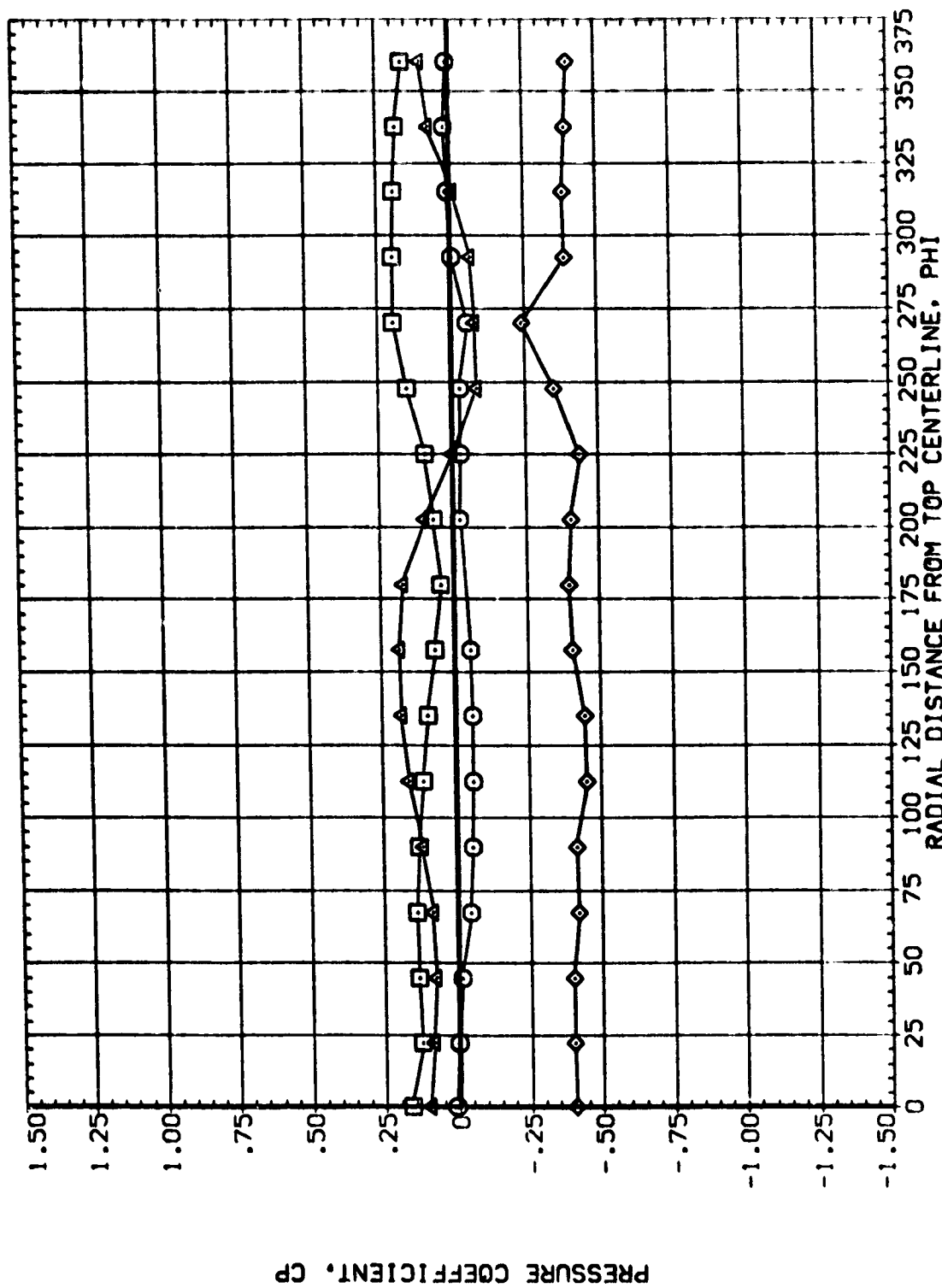
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
○	.152	8.000	1.250	SREF	6.198	SO. IN.	90.000
□	.224			LREF	5.313	IN.	.000
◇	.332			BREF	5.313	IN.	.140
△	.440			XMRP	2.549	IN.	.000
				YMRP	.972	IN.	.000
				ZMRP	.000	IN.	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

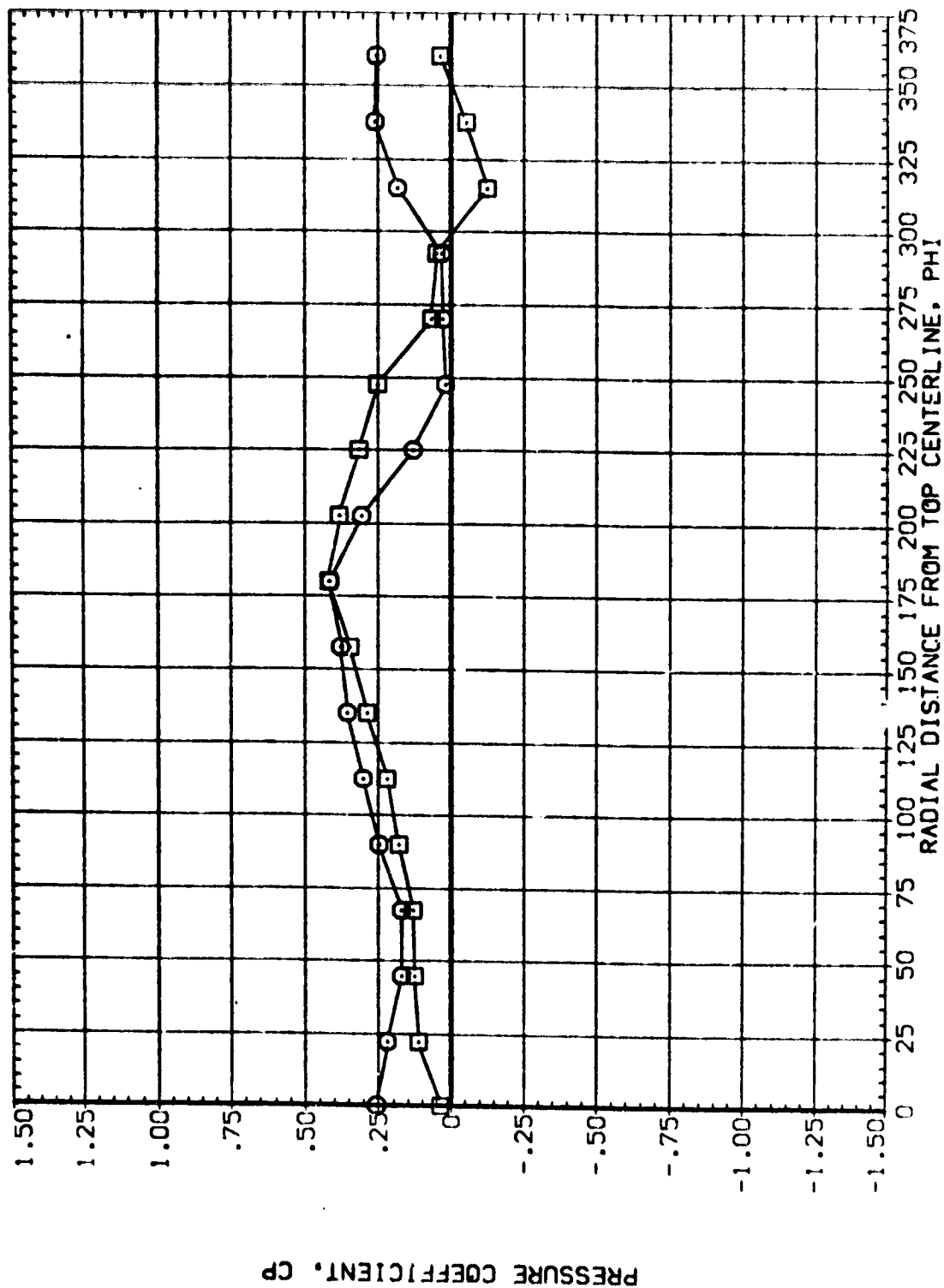
SYMBOL	X/L/S	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	6.198	ALPHA	90.000
○	.549	8.000	1.250	LREF	5.313	DELTA Z	.000
□	.657			BREF	5.313	RUDDER	.140
◇	.765			XREF	2.549	X-SRB	.000
△	.863			YREF	.972	DRB INC	.500
				ZREF	.000		



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

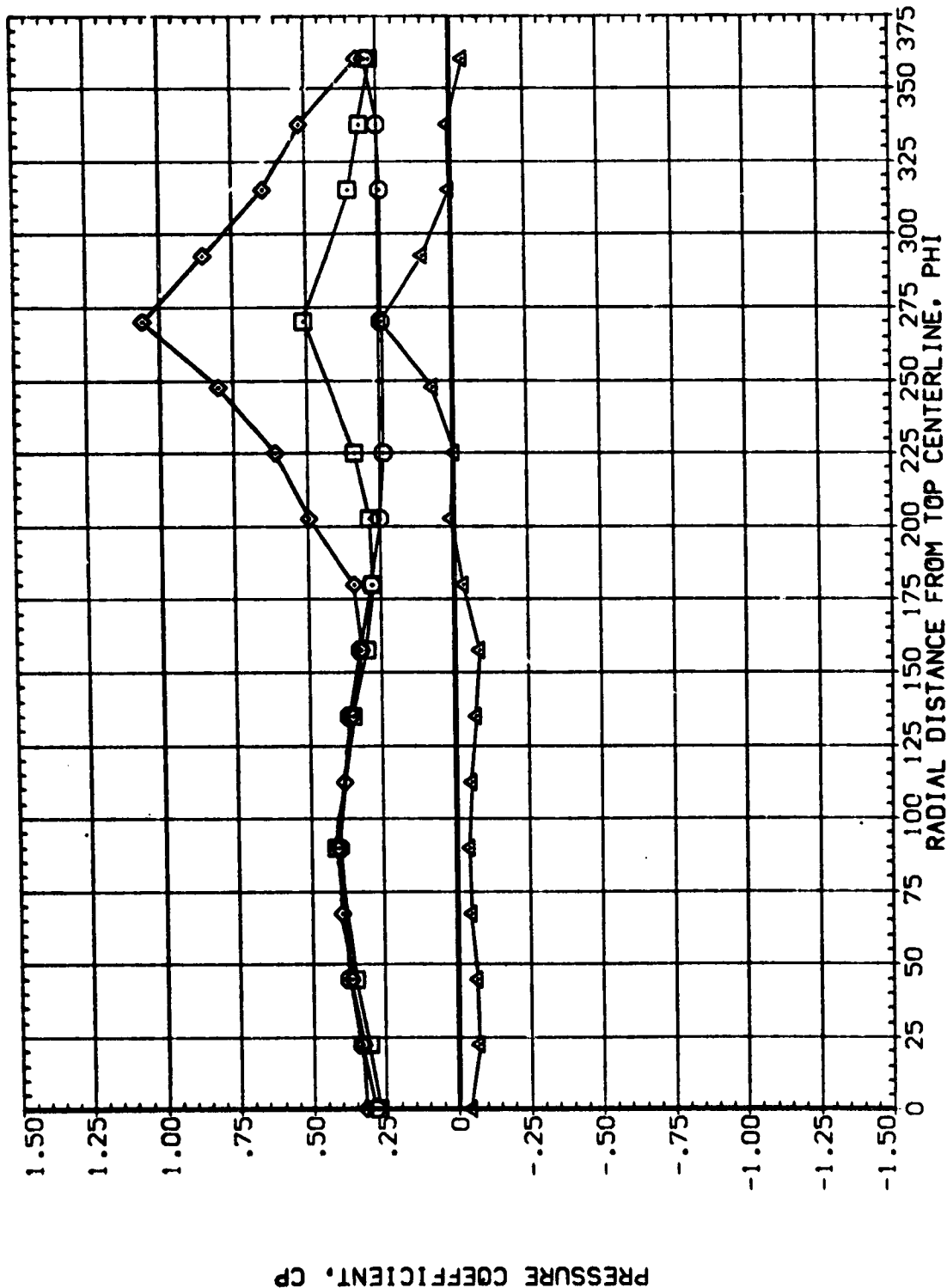
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	VMRP	ALPHA	CONFIG	CONFIG	CONFIG
○	.912	8.000	1.250	6.158	5.313	5.313	2.549	DELTAZ	.000	RJDDER	.000
□	.955						.972	X-SRB	.000	ORBINC	.500
							.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

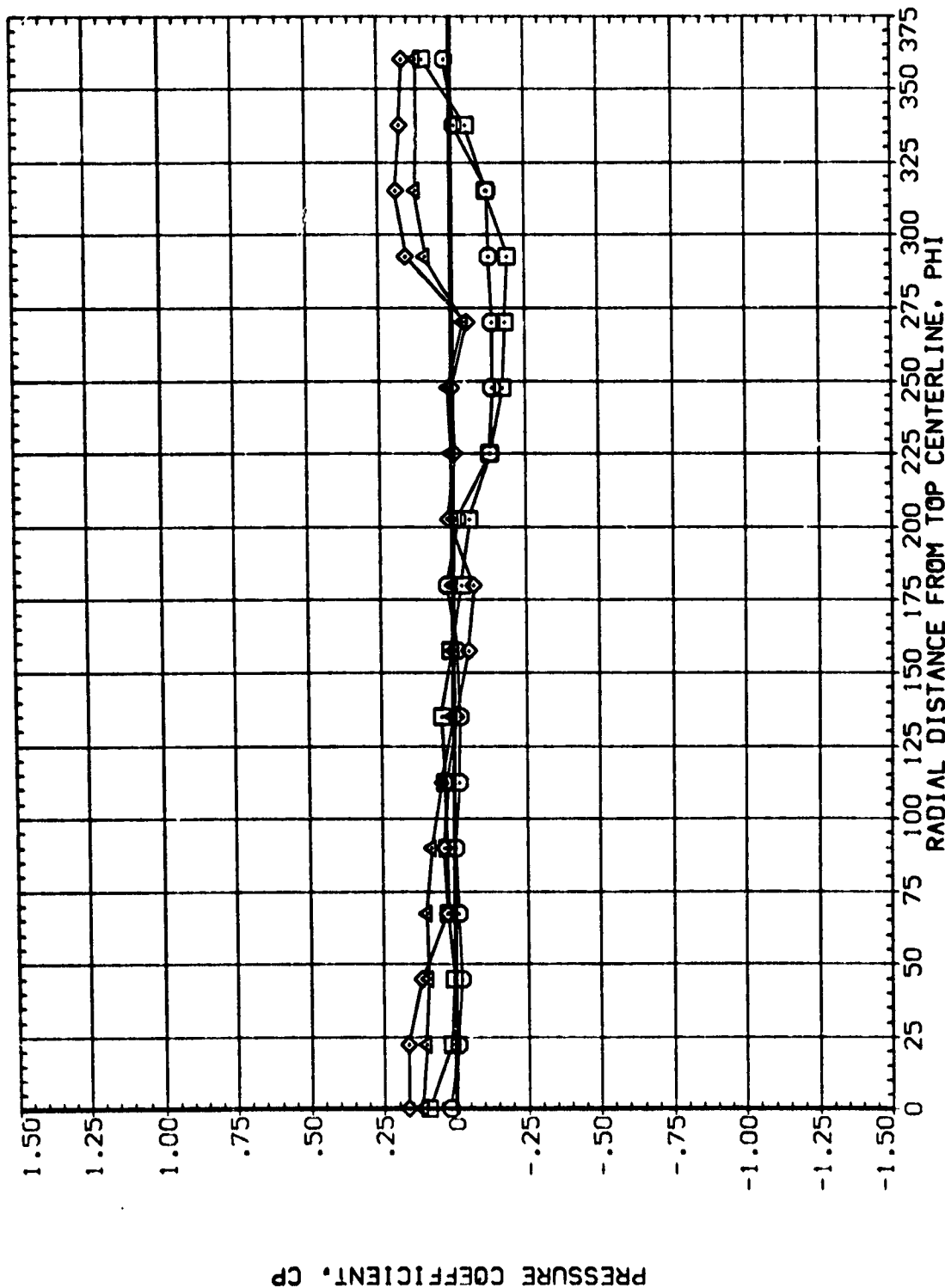
SYMBOL	X/L S	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	50. IN.	ALPHA	.000	CONF 16	50.000
□	.043	-8.000	1.960	LREF	5.313	DELTA Z	.000	RUDDER	.000
◇	.072			BREF	5.313	X-SRB	.140	ORBITAL	.500
△	.101			XPRP	2.549		.000		
	.116			YPRP	.972				
				ZPRP	.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

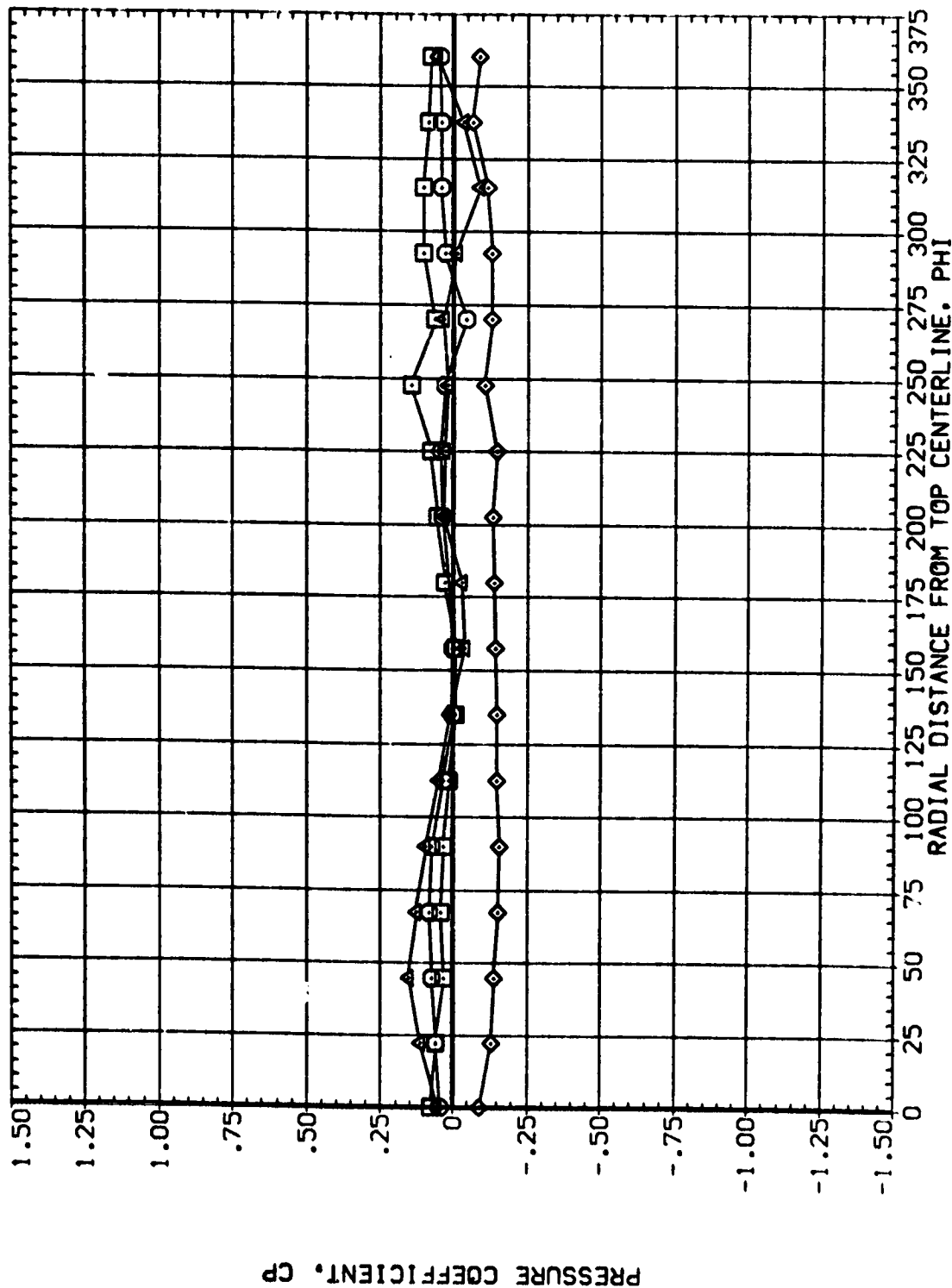
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA						PARAMETRIC VALUES				
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	SO. IN.	IN.	ALPHA	DELTA Z	CONF IG
○	.152	-8.000	1.960	6.198	5.313	5.313	2.549	.972	.000	90.000	IN.	0.000	0.000	.000
□	.224										IN.			
◇	.332										IN.			
△	.440										IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

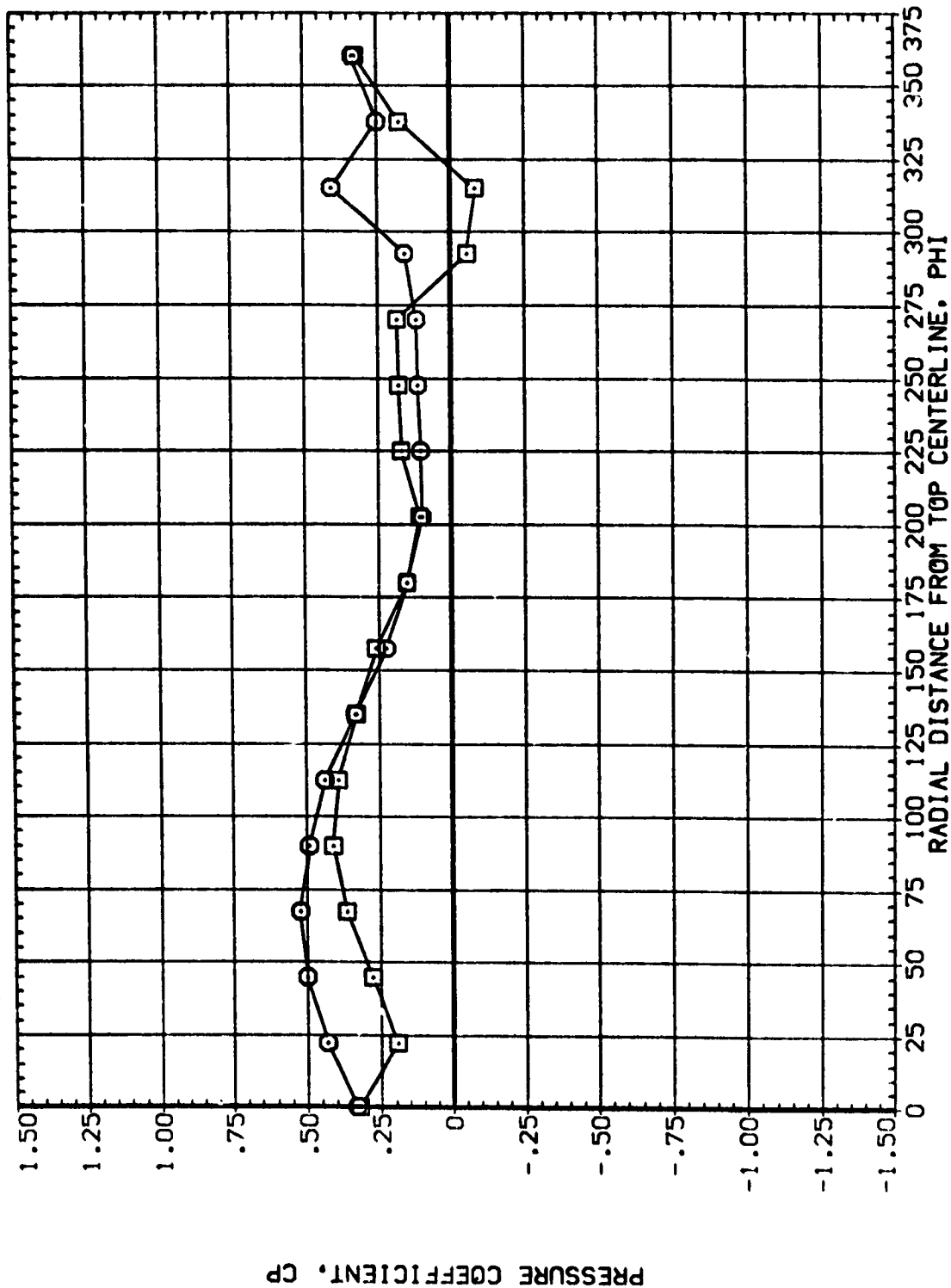
SYMBOL	X/L	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.549	-8.000	1.960	SREF 6.198	.000
□	.657			LREF 5.313	.140
◇	.765			BREF 5.313	.000
△	.883			XREF 2.549	.000
				YREF .572	.500
				ZREF .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

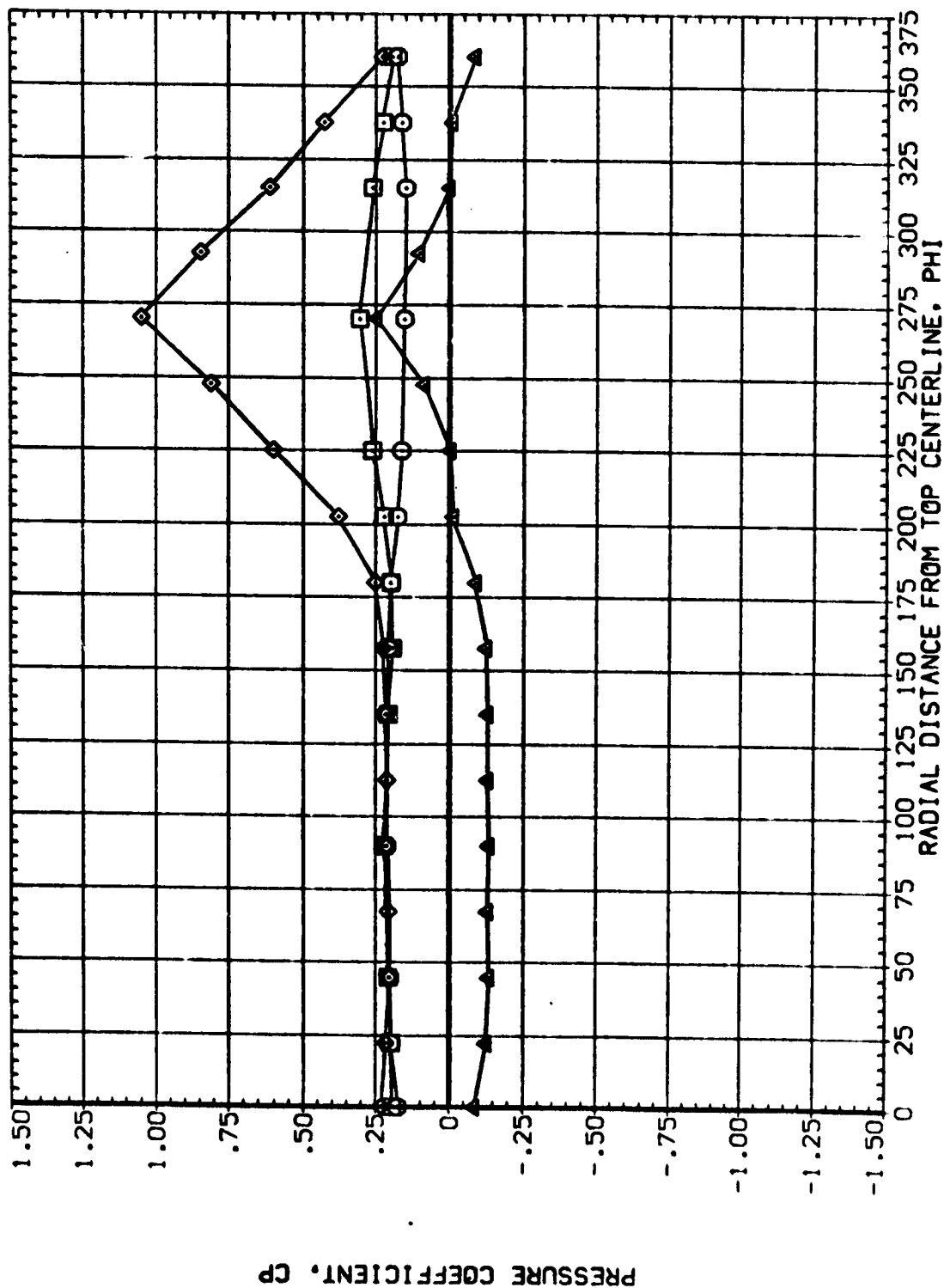
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	50. IN.	ALPHA	CONFIG	90.000
○	.912	-8.000	1.960	6.198	5.313	5.313	2.549	IN.	DELTAZ	RUDDER	.000
□	.955			.972	.000			IN.	X-SRB	ORBITAL	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

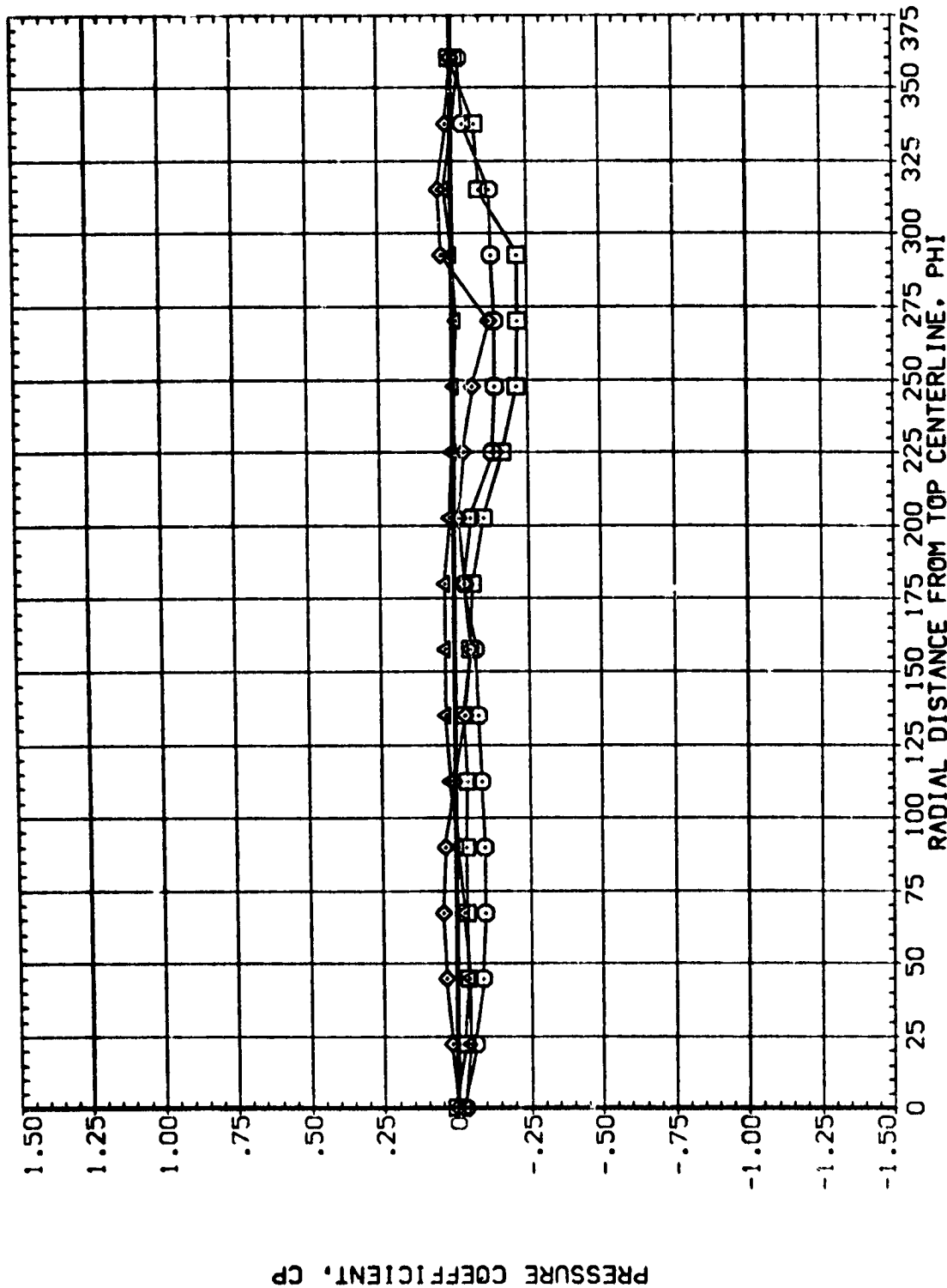
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	5.198	SD. IN.	ALPHA	.000	CONFIG
○	.043	.000	1.960	LREF	5.313	IN.	DELTAZ	.140	RUDDER
□	.072			BREF	5.313	IN.	X-SRB	.000	ORBITAL
◇	.101			YREF	2.549	IN.			
△	.116			ZREF	.972	IN.			
					.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

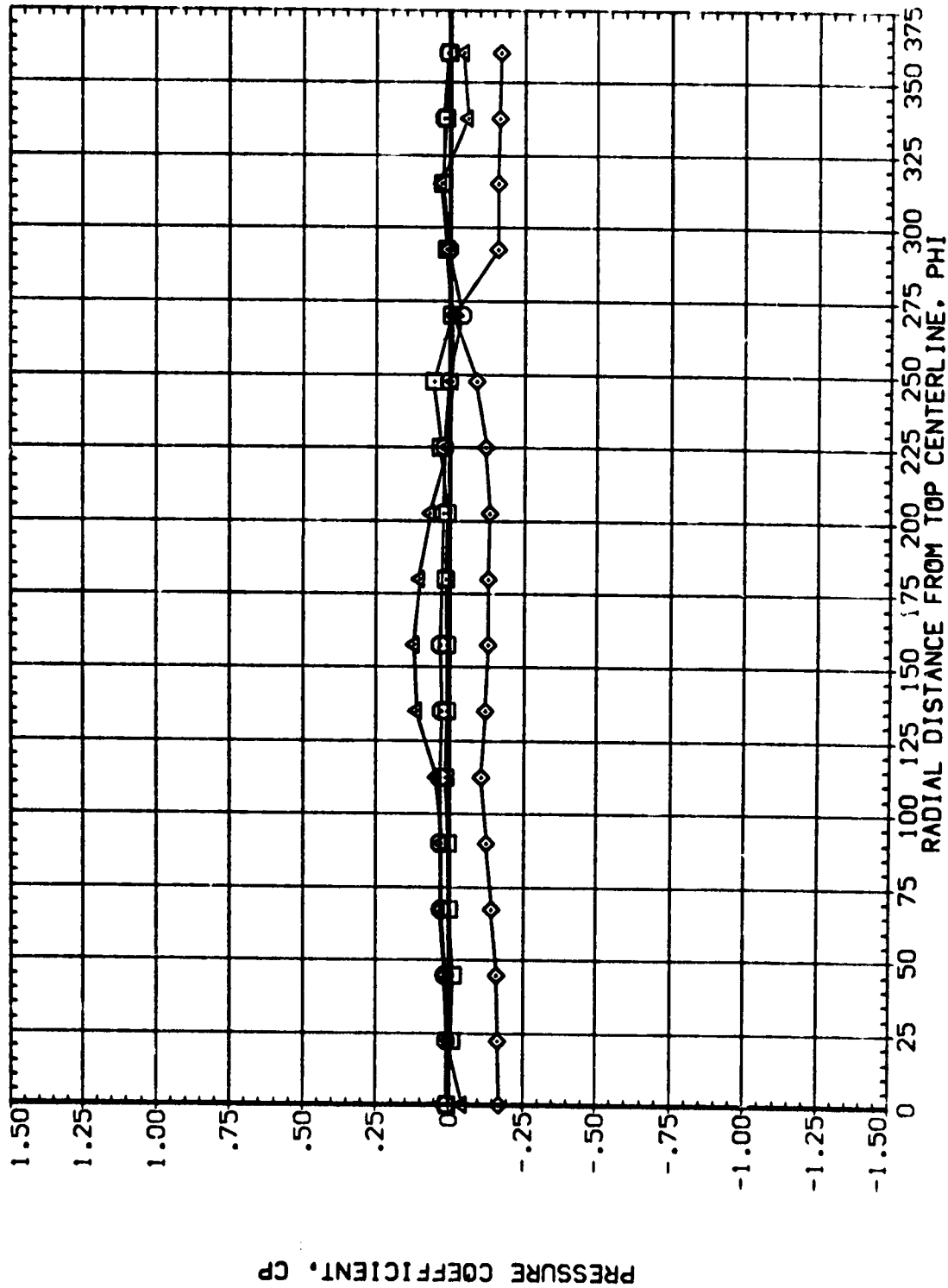
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.152	.000	1.960	SREF 6.198	.000 CONF16
□	.224			LREF 5.313	.140 RUDDER
◇	.332			BREF 5.313	.000 ORBINC
△	.440			XMRP 2.545	.500
				YMRP .972	
				ZMRP .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

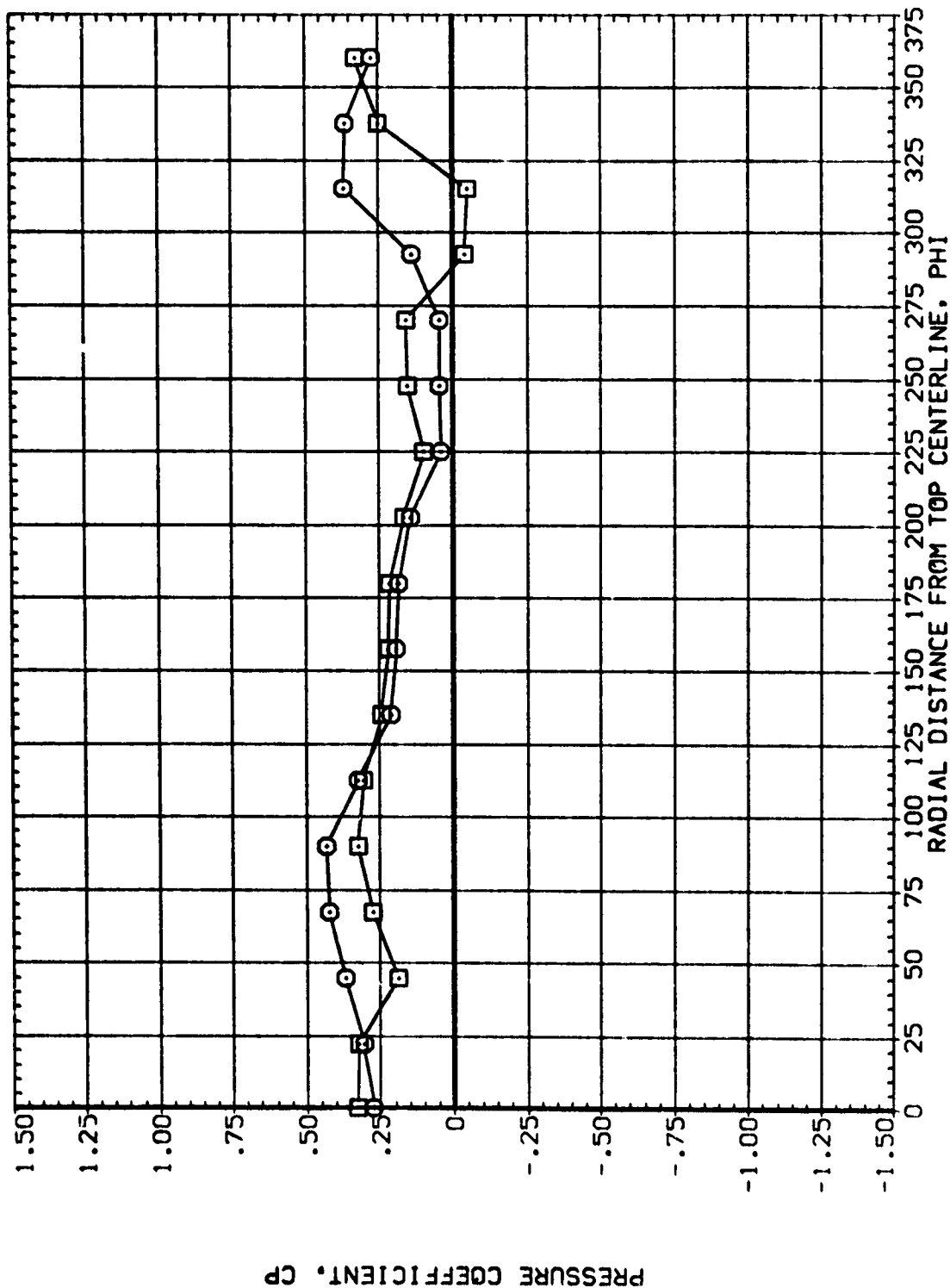
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	ALPHA	.000	CONFIG	90.000
□	.549	.000	1.960	LREF	5.313	DELTAZ	.140	RUDDER	.000
◇	.657			BREF	5.313	X-SRB	.000	ORBITAL	.500
△	.765			XREF	2.549				
	.883			YREF	.572				
				ZREF	.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

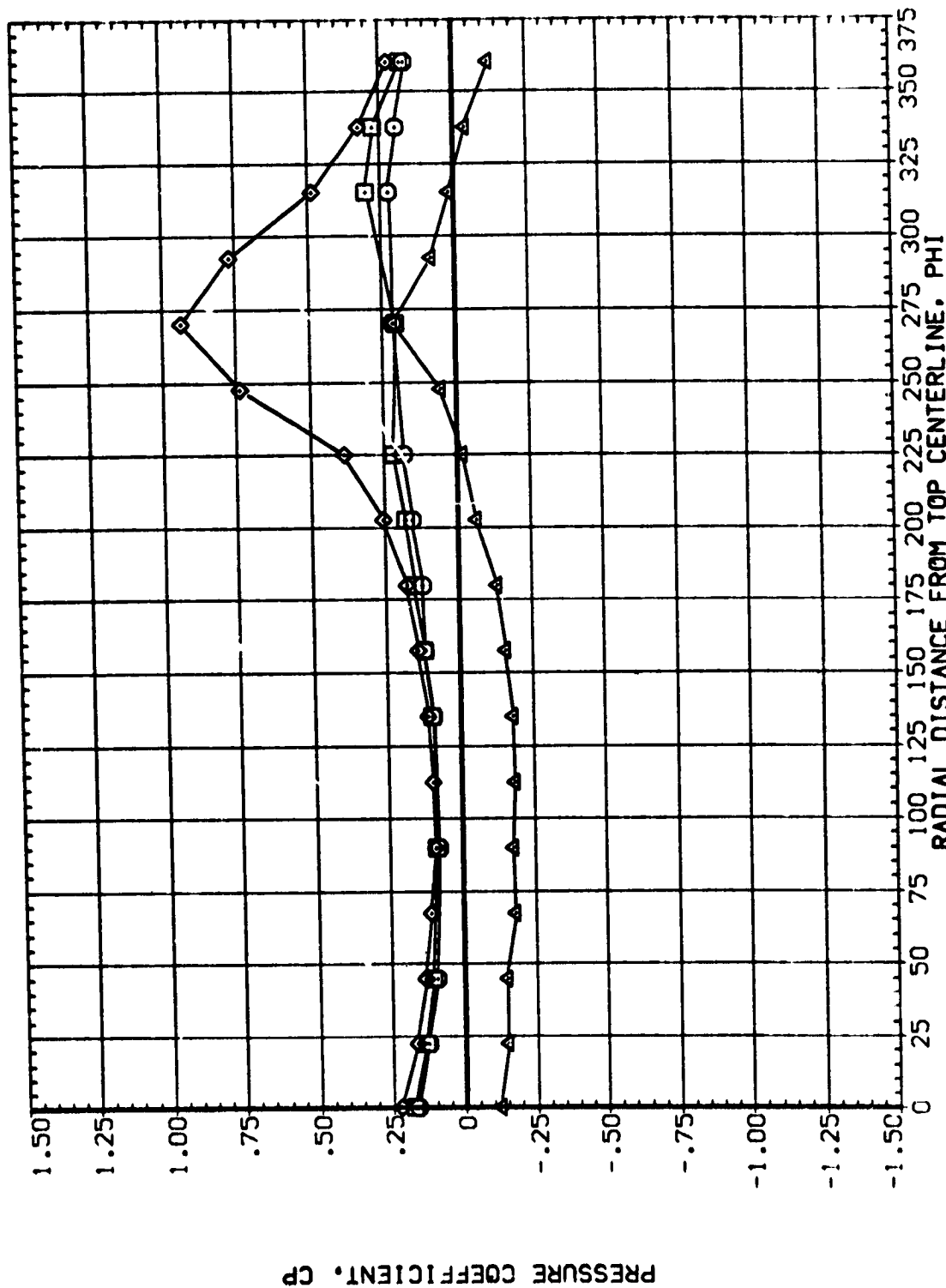
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SO. IN.	ALPHA	CONF 16	90.000
□	.912	.000	1.960	6.198	5.313	5.313	2.549	IN.	DELTA Z	RUDER	.000
○	.955			.972	.000			IN.	X-SRB	ORBIT INC	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	SO. IN.	ALPHA	CONF IG	50.000
○	.043	8.000	1.960	LREF	5.313	IN.	DELTA Z	RUDER	.000
□	.072			BREF	5.313	IN.	X-S98	ORBIT INC	.500
◇	.101			XMRP	2.549	IN.			
△	.116			YMRP	.972	IN.			
				ZMRP	.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

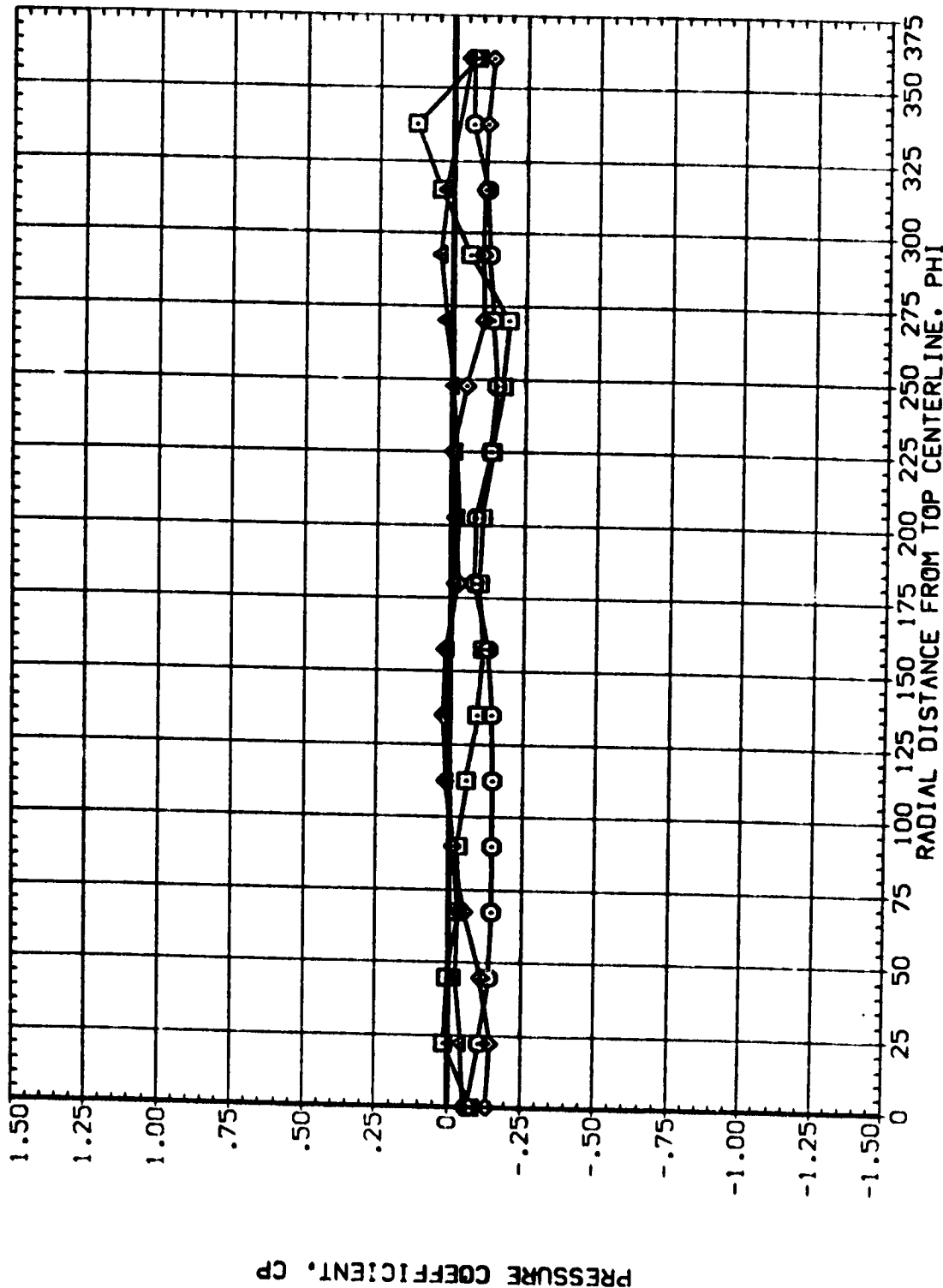
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

SYMBOL
 ◊
 ◻
 ◊
 ▽

X/LS BETA MACH
 .152 8.000 1.960
 .224
 .332
 .440

REFERENCE DATA
 SREF 6.198
 LREF 5.313
 BREF 5.313
 XMRP 2.549
 YMRP .972
 ZMRP .000

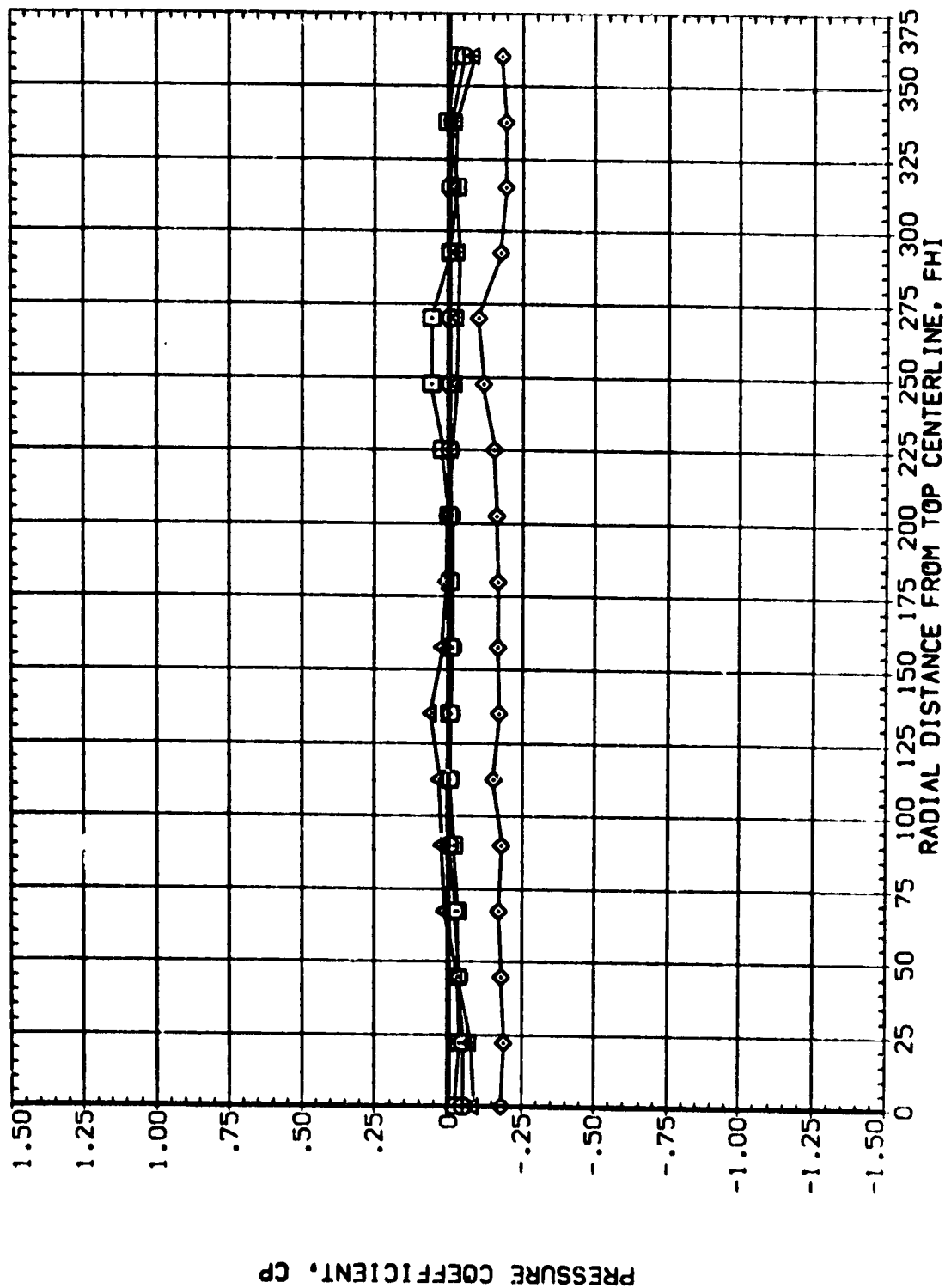
PARAMETRIC VALUES
 .000 CONFIG 90.000
 .140 RUDDER .000
 .000 DPBINC .500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82502)

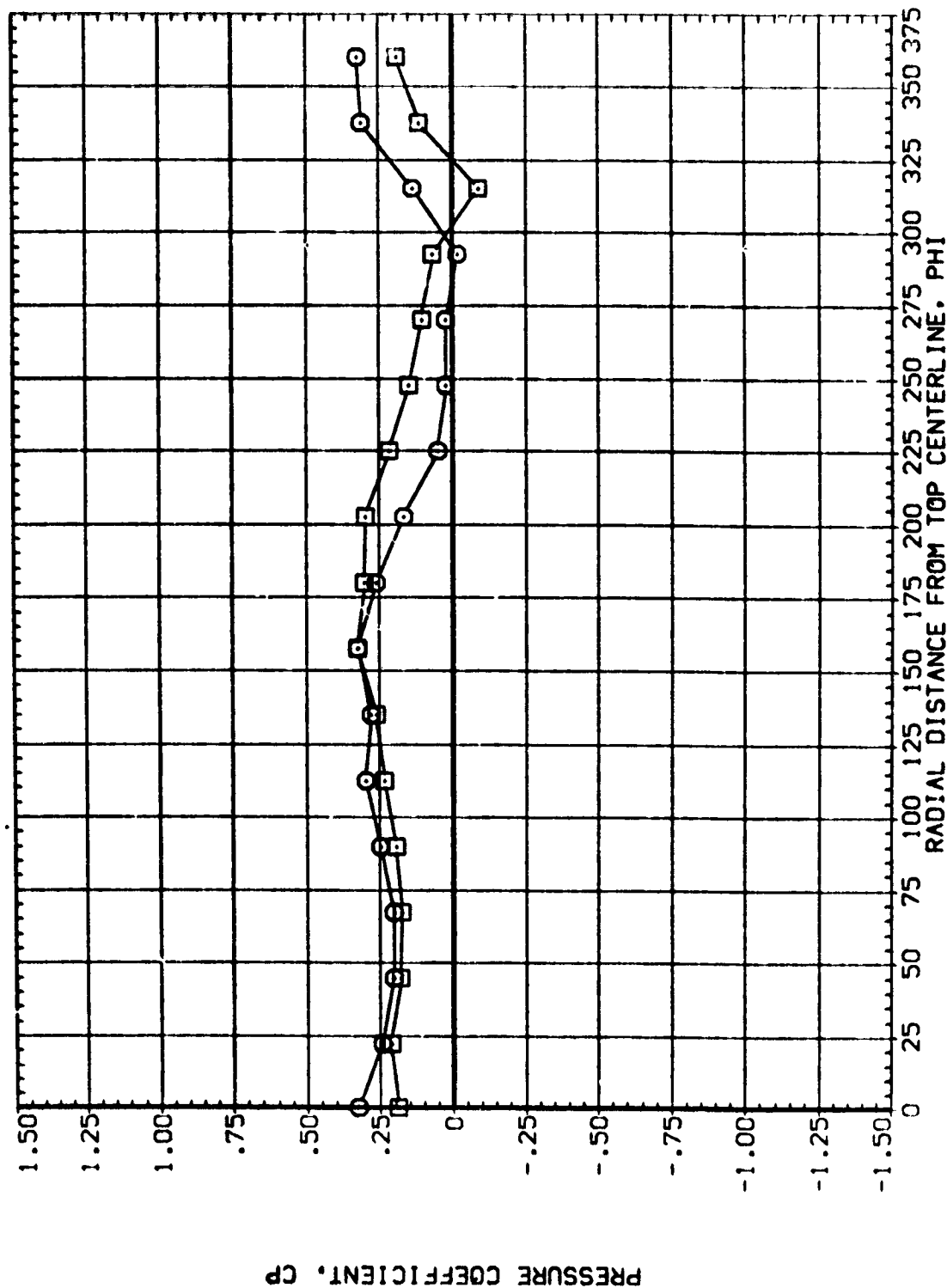
SYMBOL	X/L5	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SO.IN.	ALPHA	CONF16		
□	.549	8.000	1.960	LREF	5.313	DELTAZ	.000	RUDDER	.000
◇	.657			BREF	5.313	X-SRB	.140	ORBITING	.500
△	.765			YREF	2.549		.000		
	.883			ZREF	.972				
					.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

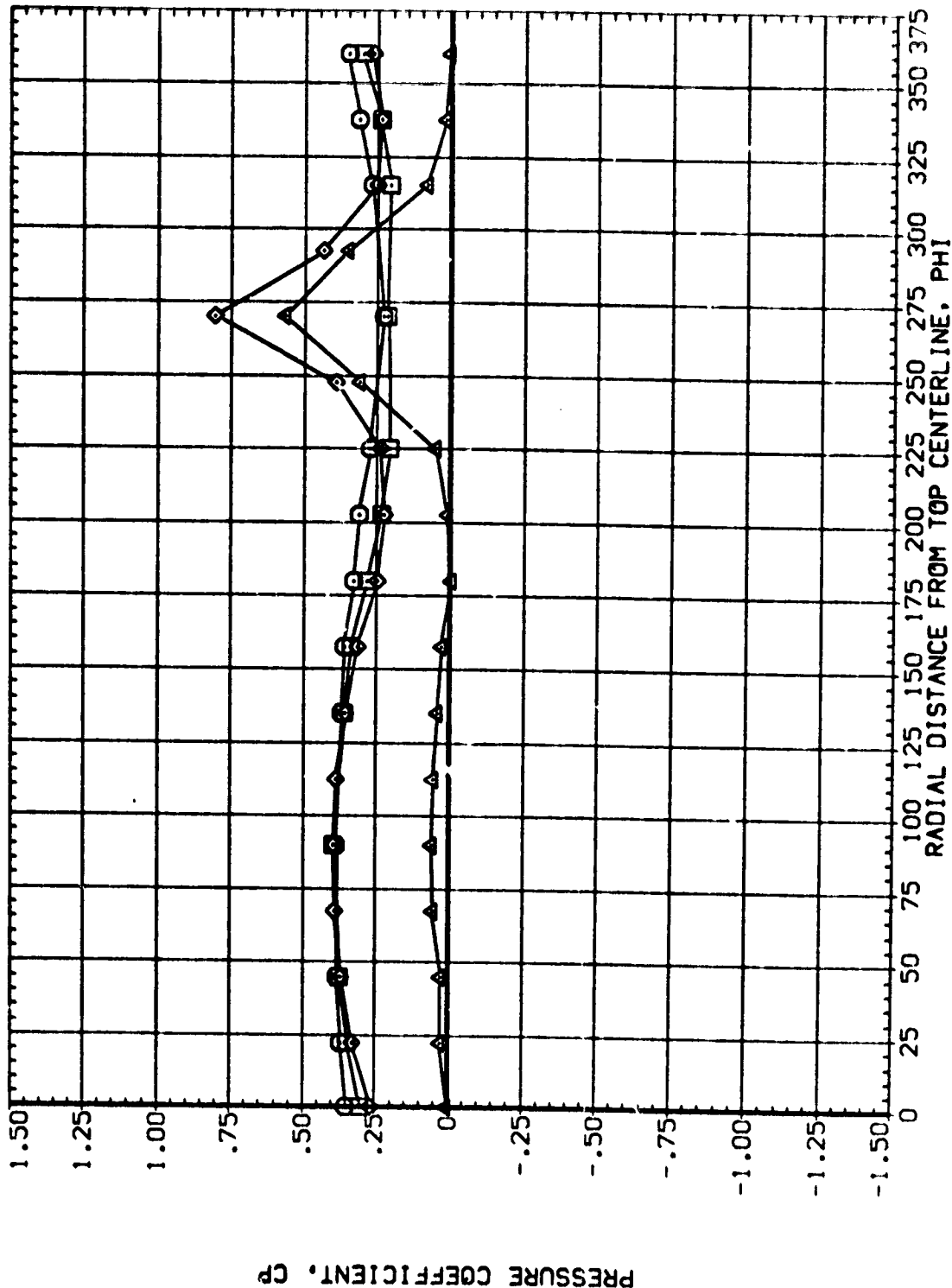
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XRRP	SG IN.	ALPHA	CONF IG	90.000
○	.912	8.000	1.960	6.198	5.313	5.313	2.549	IN.	DELTA Z	RUDDER	.000
□	.955			2.549	.972	.000	IN.	IN.	X-SRB	ORB INC	.000
											.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

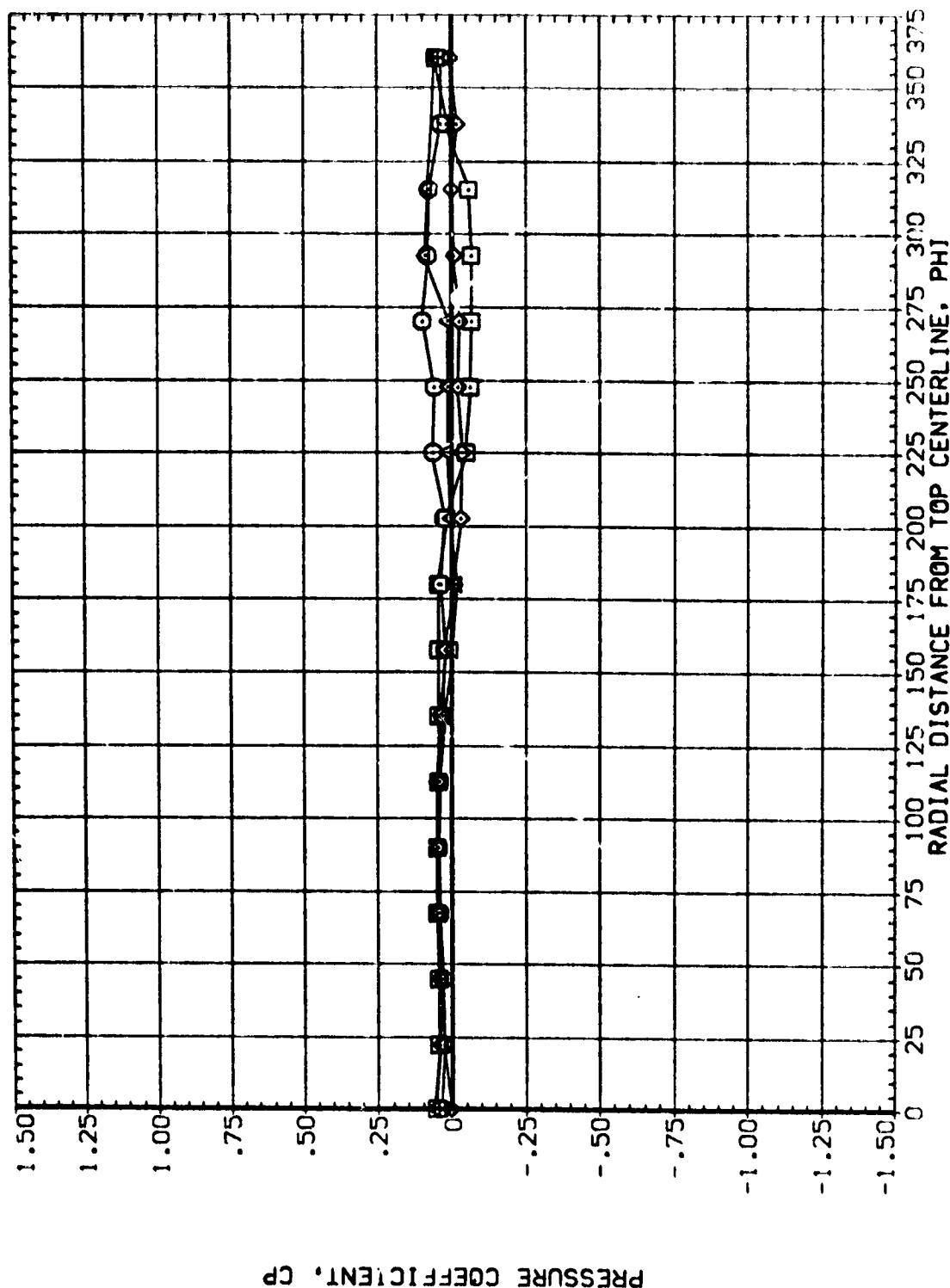
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	.000	CONF 16
○	.043	-8.000	3.500	LREF	5.313	IN.	DELTA Z	.140	RUDDER
□	.072			BREF	5.313	IN.	X-SRB	.000	ORBITAL
◇	.101			YMRP	2.549	IN.			
△	.116			ZMRP	.972	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

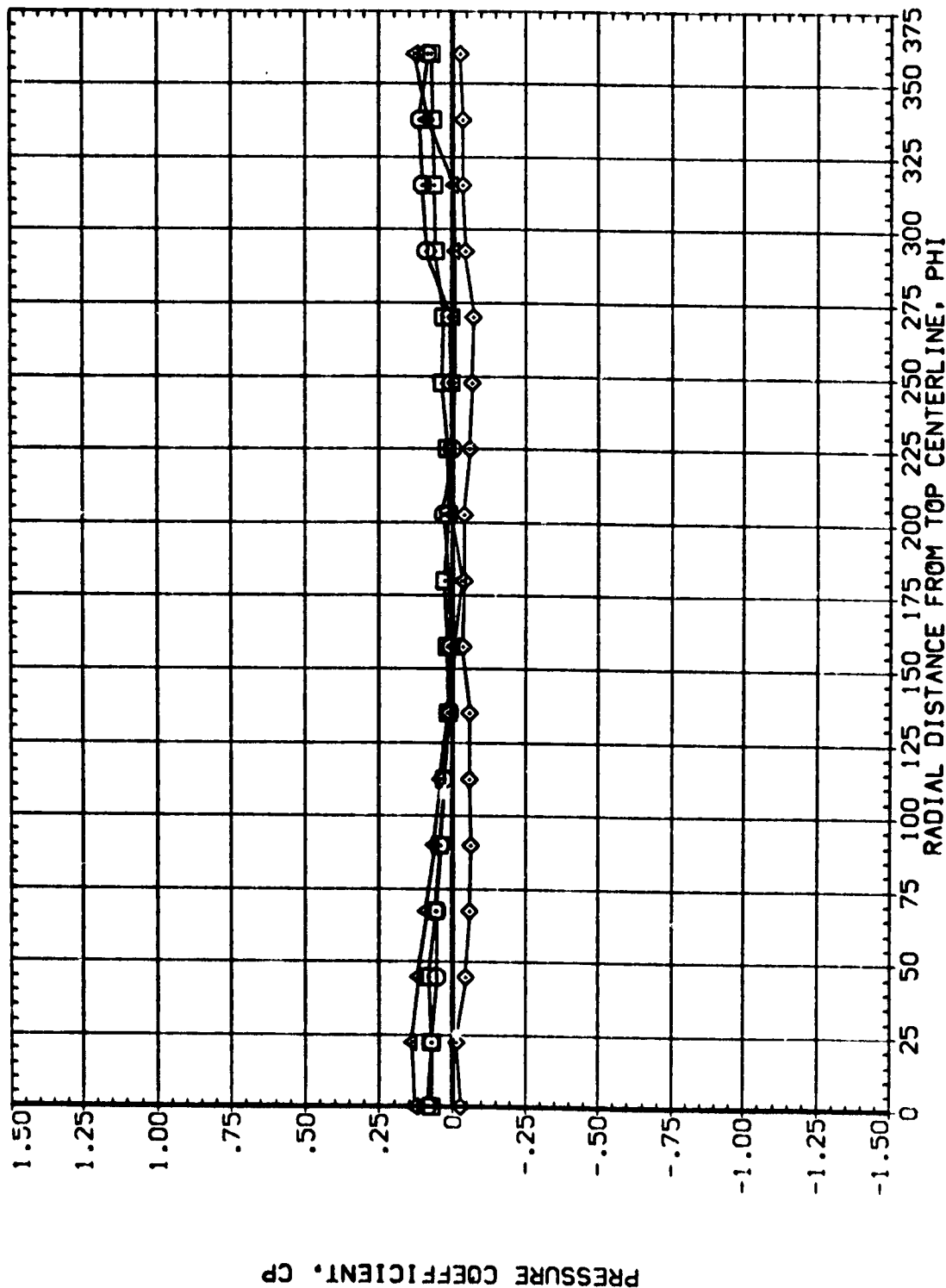
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	50. IN.	ALPHA	CONF IG	90.000	
○	.152	-8.000	3.500	LREF	5.313	DELTA Z	.000	RUDDER	.000
□	.224			BREF	5.313	X-SRB	.140	ORBITAL	.500
◇	.332			YMRP	2.549		.000		
△	.440			ZMRP	.972		.000		



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

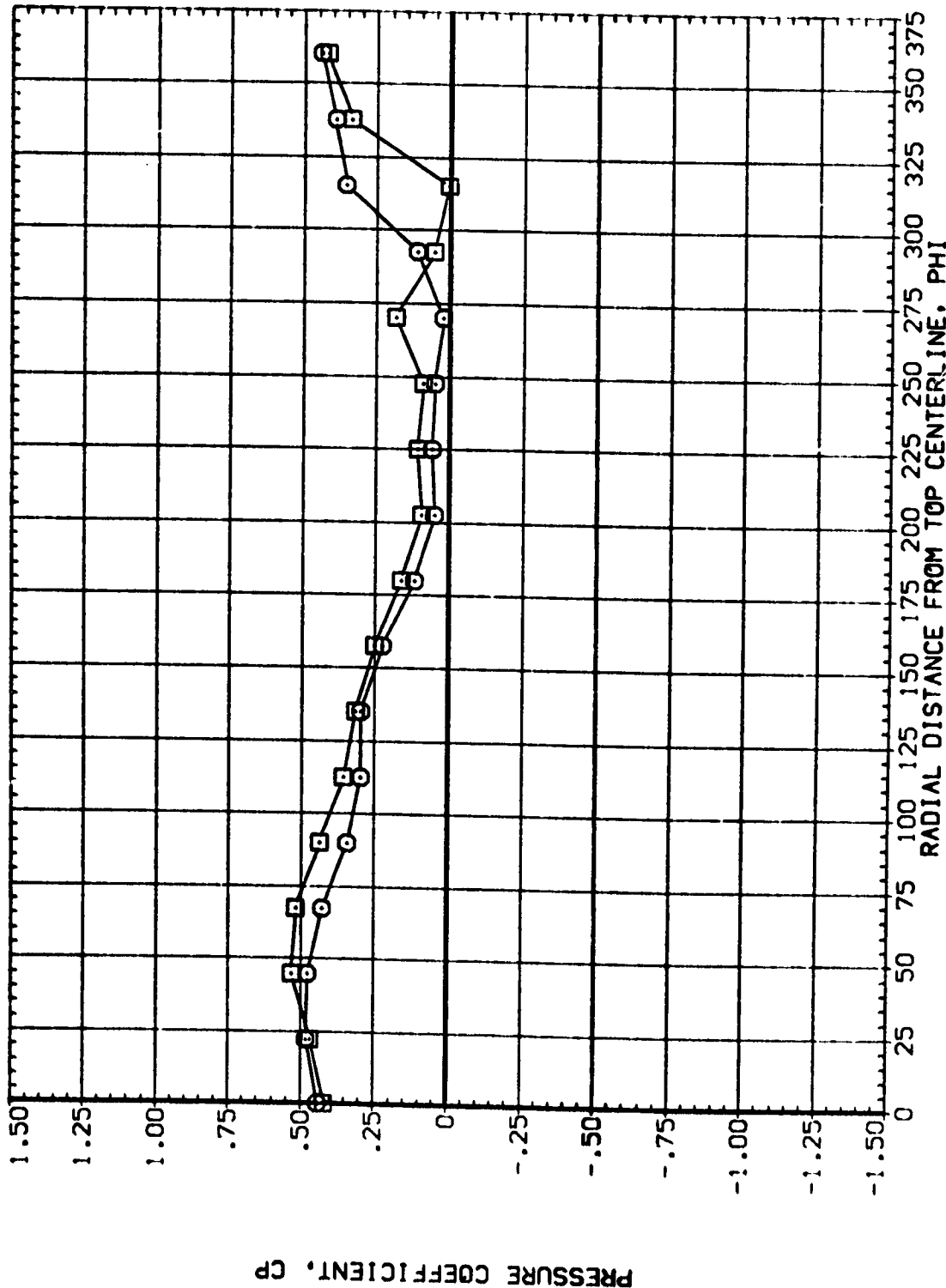
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	ALPHA	.000	CONF	IG	.500
□	.549	-8.000	3.500	LREF	DELTA Z	.140	RUDDER	.000	
◇	.657			BREF	X-SRB	.000	ORBIT	.500	
△	.765			YREF					
	.883			ZREF					



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

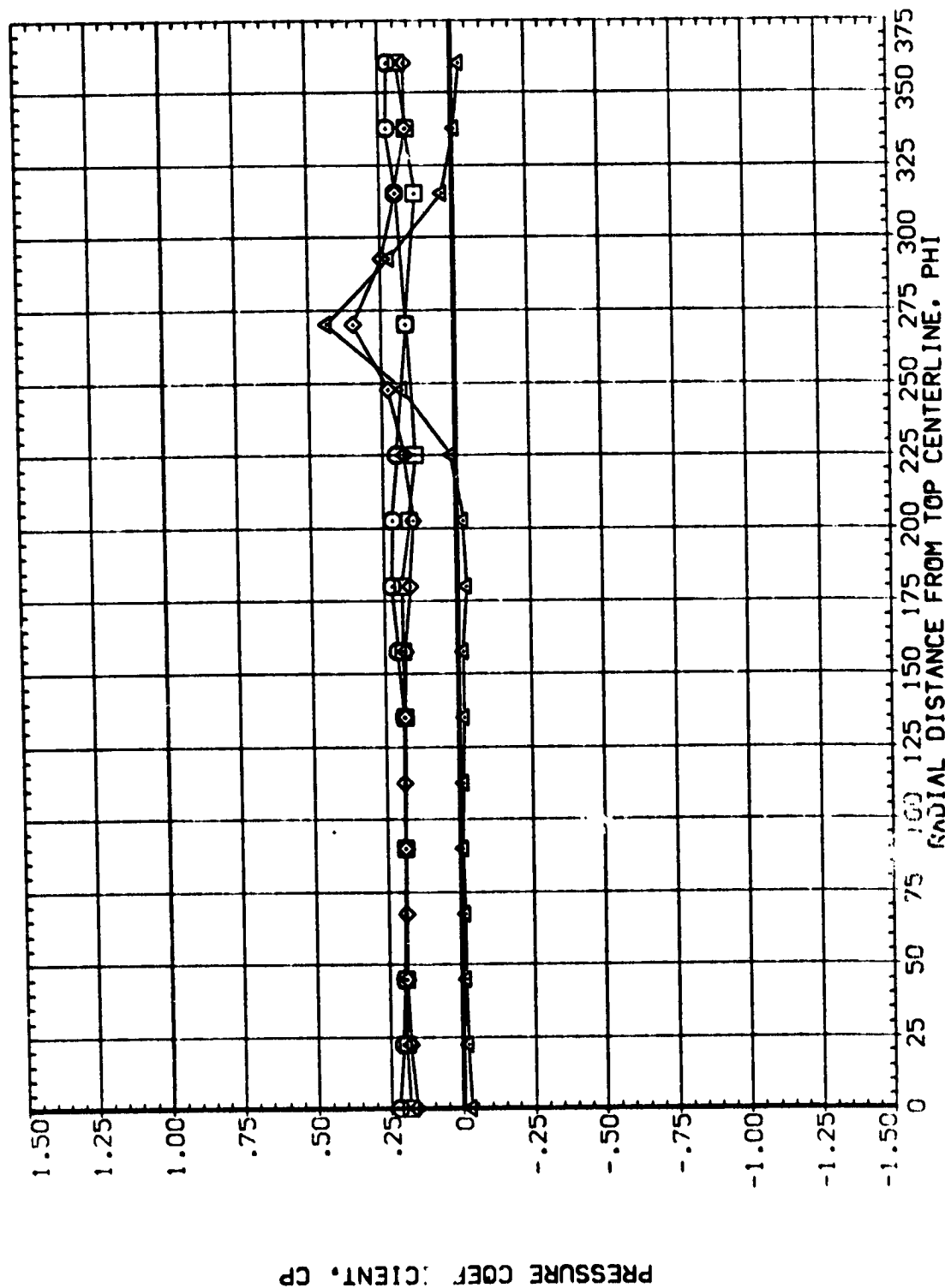
SYMBOL	X/S	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SO. IN.	ALPHA	CONFIG	90.000
□	.912	-8.000	3.500	6.198	5.313	5.313	2.549	IN.	DELTAZ	RUDER	.000
□	.955						.972	IN.	X-SRB	ORGINC	.500
							.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

NSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

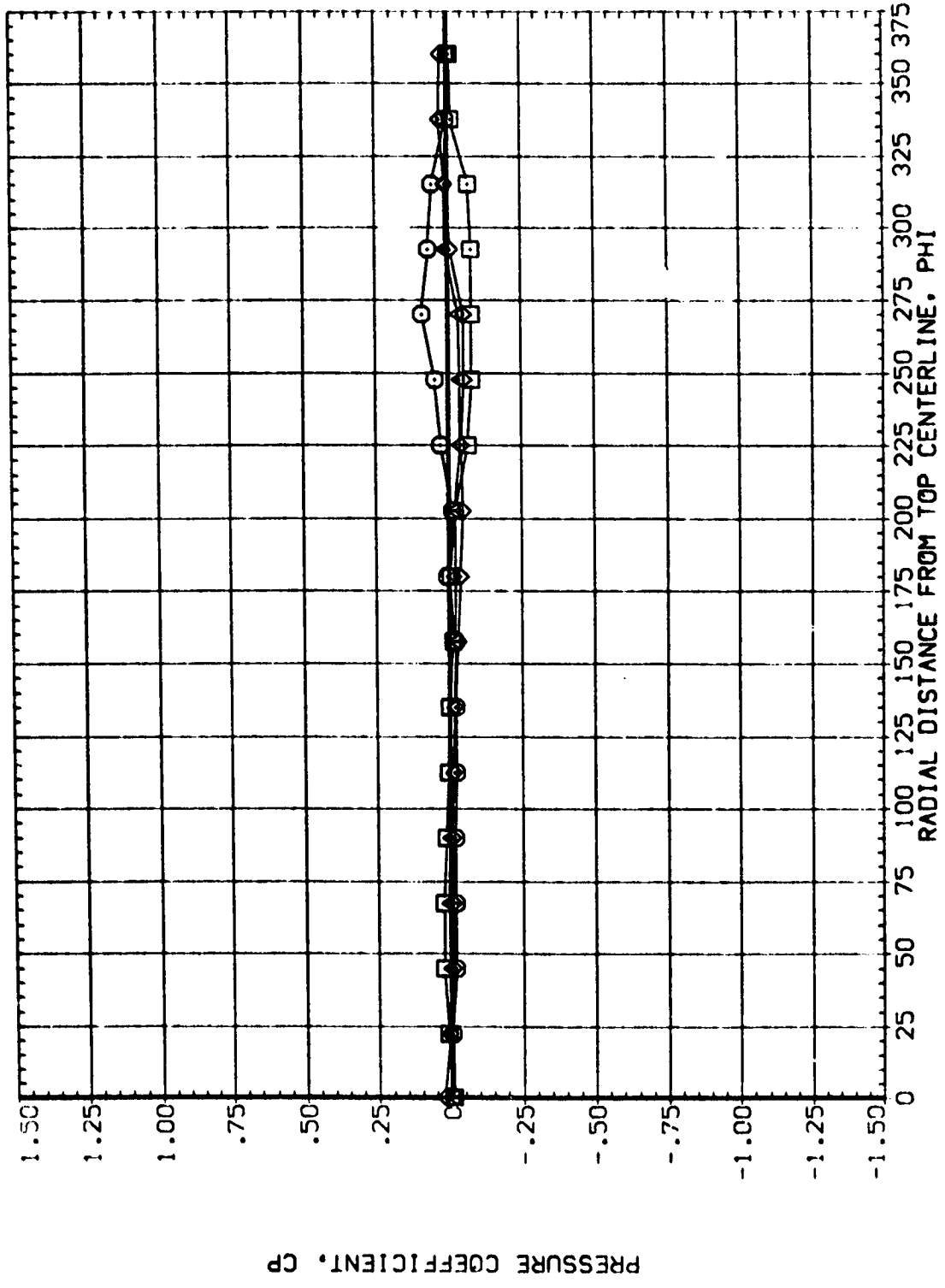
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	BETA	ALPHA	CONFIG	90.000
◇	.043	.000	3.500	6.198	50. IN.	DELTA Z	.000	.000
□	.072	.000	3.500	5.313	IN.	X-SRB	.140	.000
△	.101	.000	3.500	5.313	IN.		.000	.500
	.116	.000	3.500	2.549	IN.			
				.572	IN.			
				.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

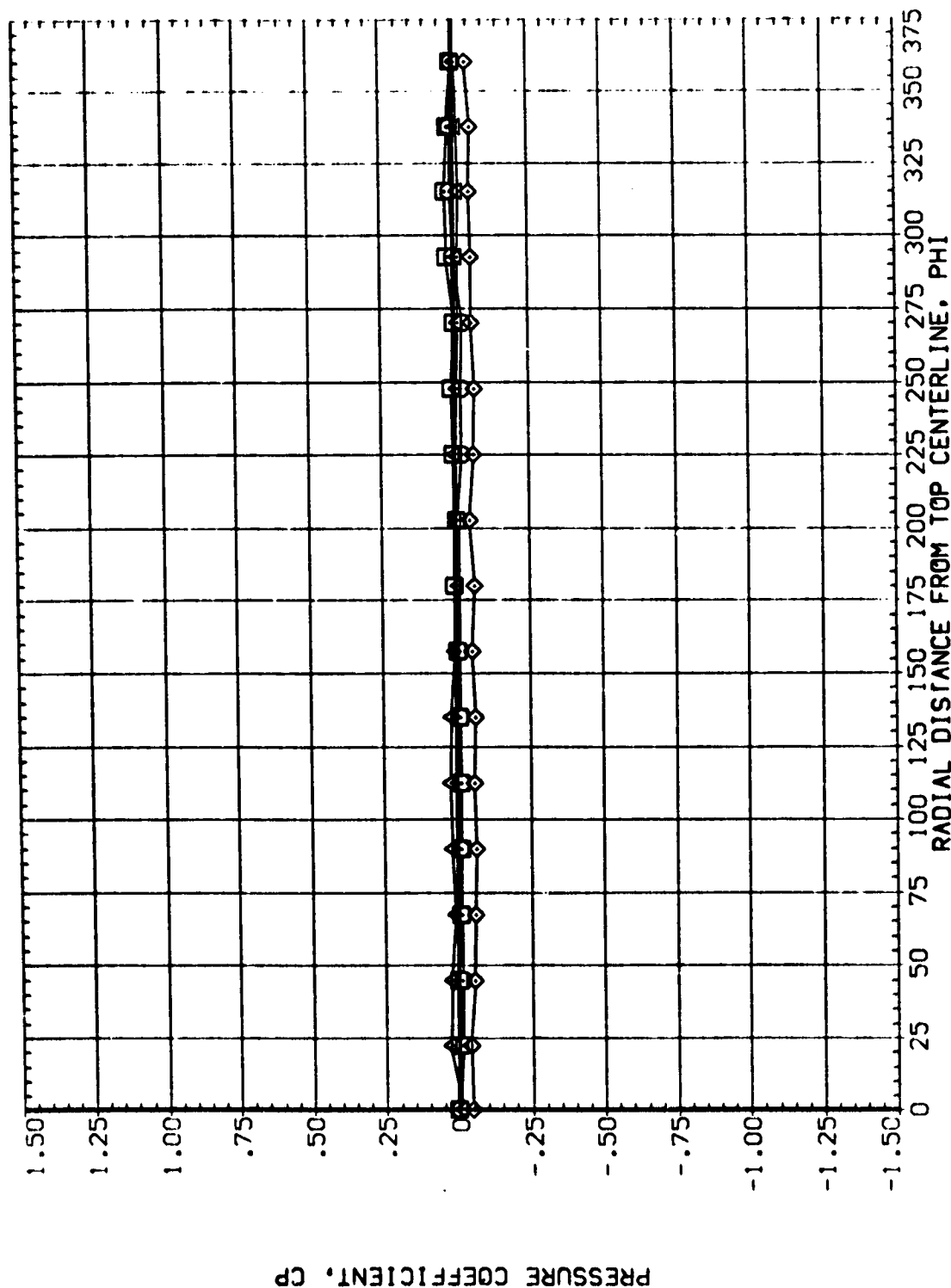
SYMBOL	REFERENCE DATA			PARAMETRIC VALUES		
	ALPHA	DELTA Z	X-SRB	CONF IG	RUDDER	ORBIT INC
△	0.152	0.000	3.500	0.000	0.000	0.000
◇	0.224	0.000	3.500	0.000	0.000	0.000
□	0.332	0.000	3.500	0.000	0.000	0.000
○	0.440	0.000	3.500	0.000	0.000	0.000



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

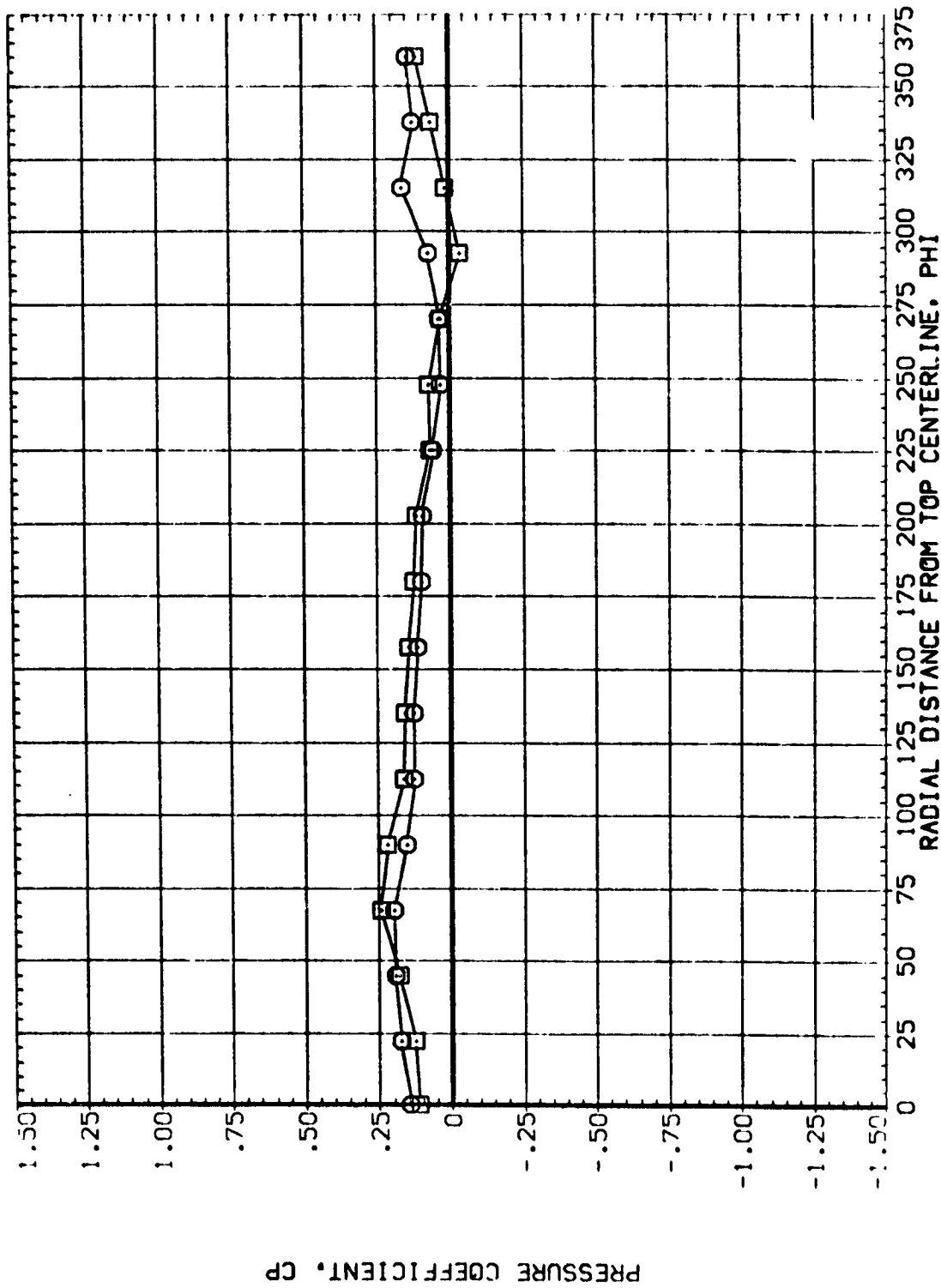
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	CONF:G	RUDDER	ORBINC
○	.549	.000	3.500	6.198	5.313	5.313	2.549	DELTAZ	.000	.140	.000
□	.657							X-SRB			.500
◇	.765										
△	.883										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

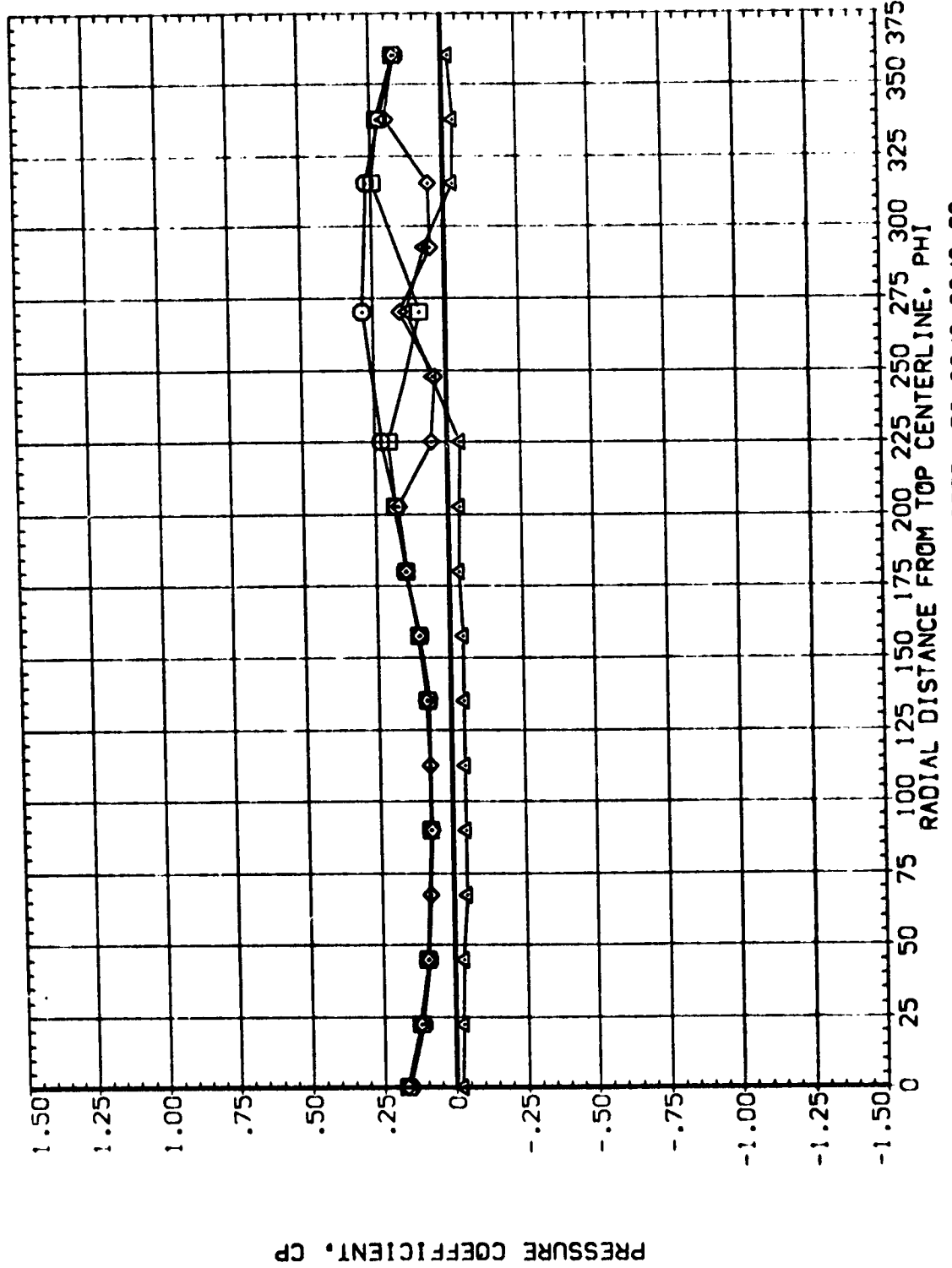
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	ALPHA	CONFIS	90.000
	.912	.000	3.500	LREF	5.313	DELTAZ	RUDDER	.000
	.955			BREF	5.313	X-SRB	ORBINC	.500
				YMRP	2.549			
				ZMRP	.972			
					.000			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

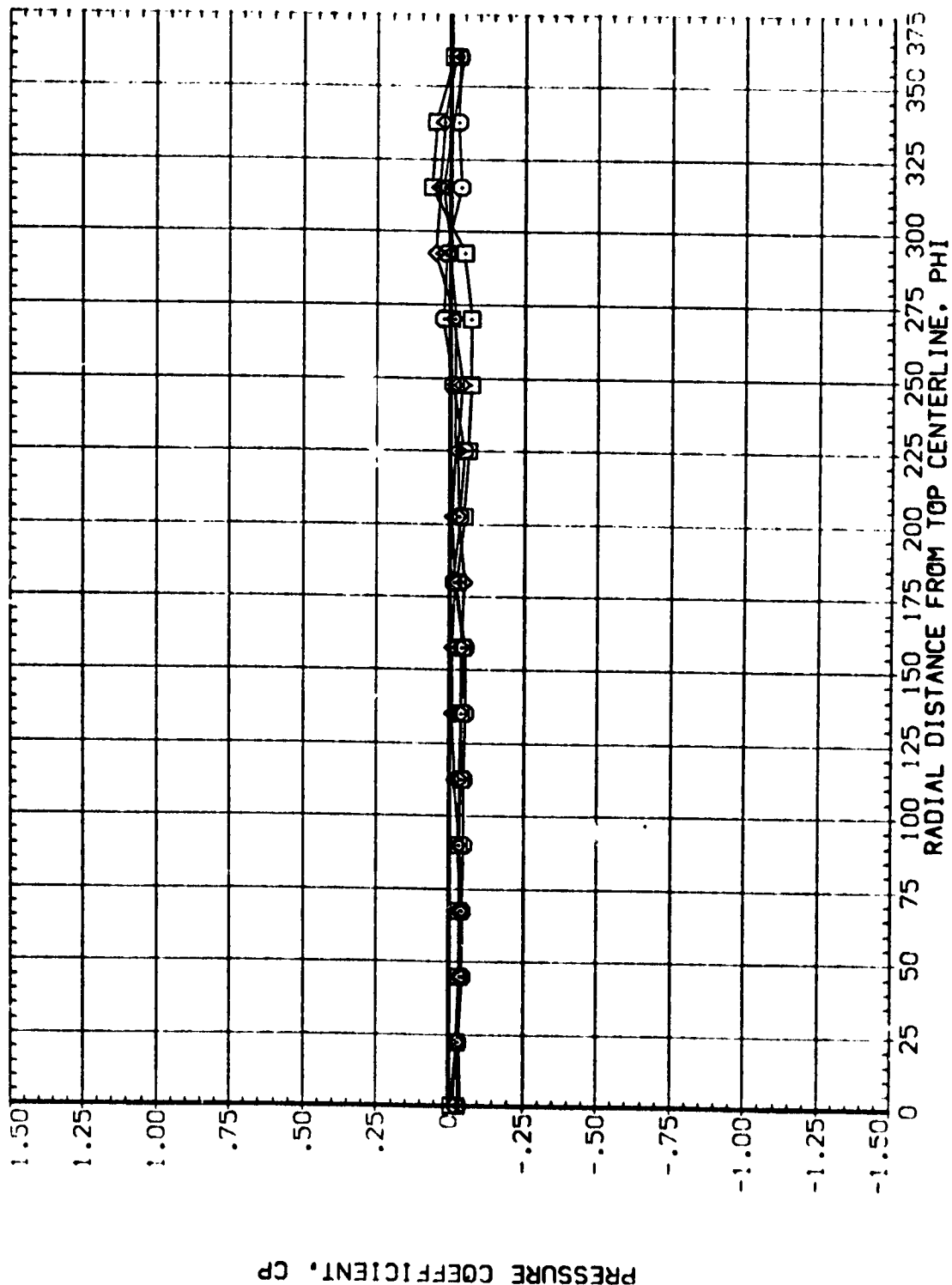
SYMBOL	X/S	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	50. IN.	IN.	IN.	IN.
◇	.043	8.000	3.500	6.198	5.313	2.549	.972	.000	.000	.000	.000
□	.072								.140	.000	.000
△	.101									.000	.500
▽	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSEC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

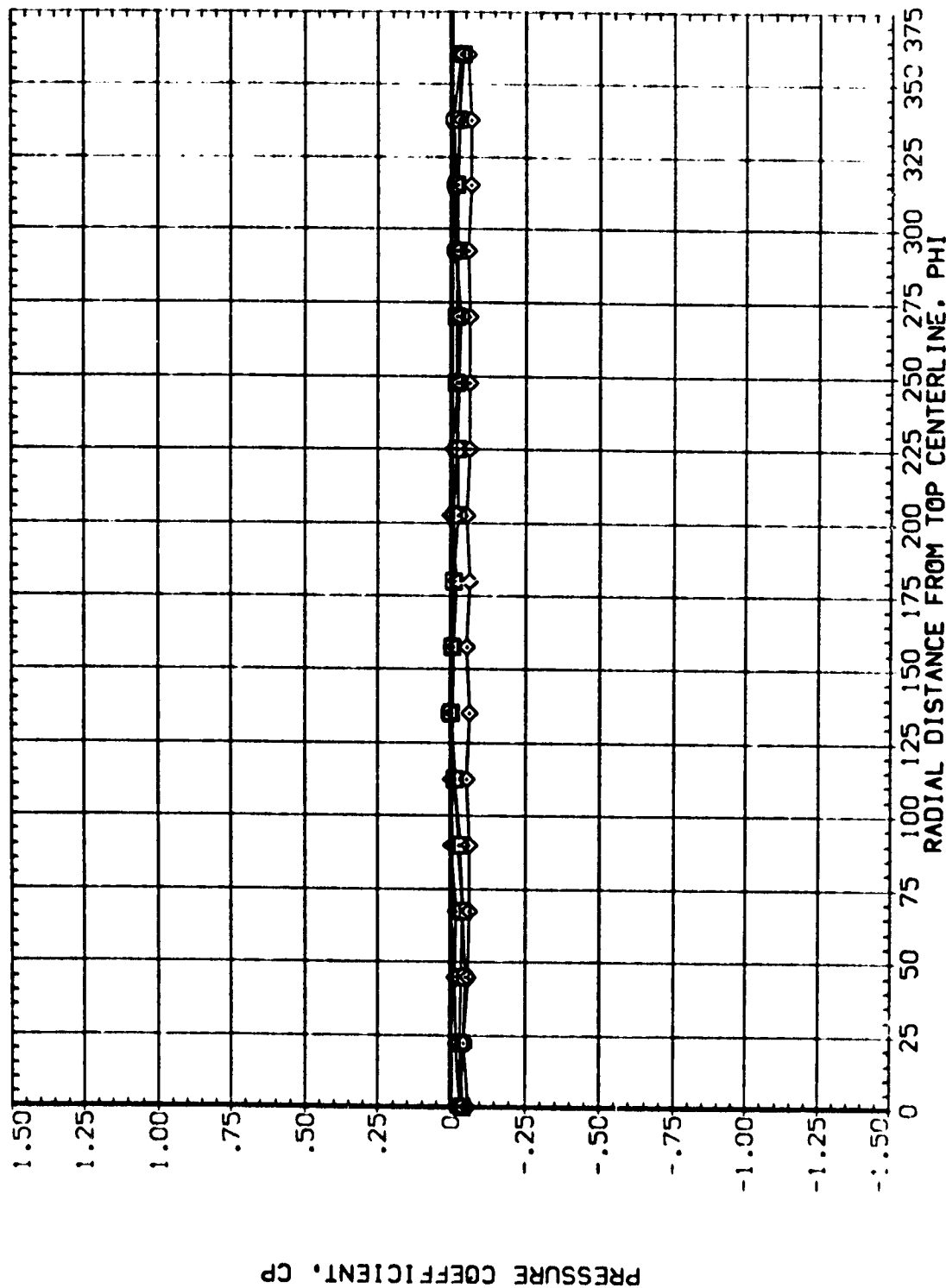
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTAZ
○	.152	8.000	3.500	5.198	5.313	5.313	2.549	.972	.000	.000	.000
□	.224									.140	RUDER
◇	.332									.000	ORBIT
△	.440									.000	ORBIT
											.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

SYMBOL	K/L/S	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.549	8.000	3.500	SREF 6.198	.000 CONF IG
□	.657			LREF 5.313	.140 RUDDER
◇	.765			BREF 5.313	.000 DBB INC
△	.883			XPRP 2.549	
				YPRP .972	
				ZPRP .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S02)

SYMBOL

5745
.912
.955

MACH 3.500

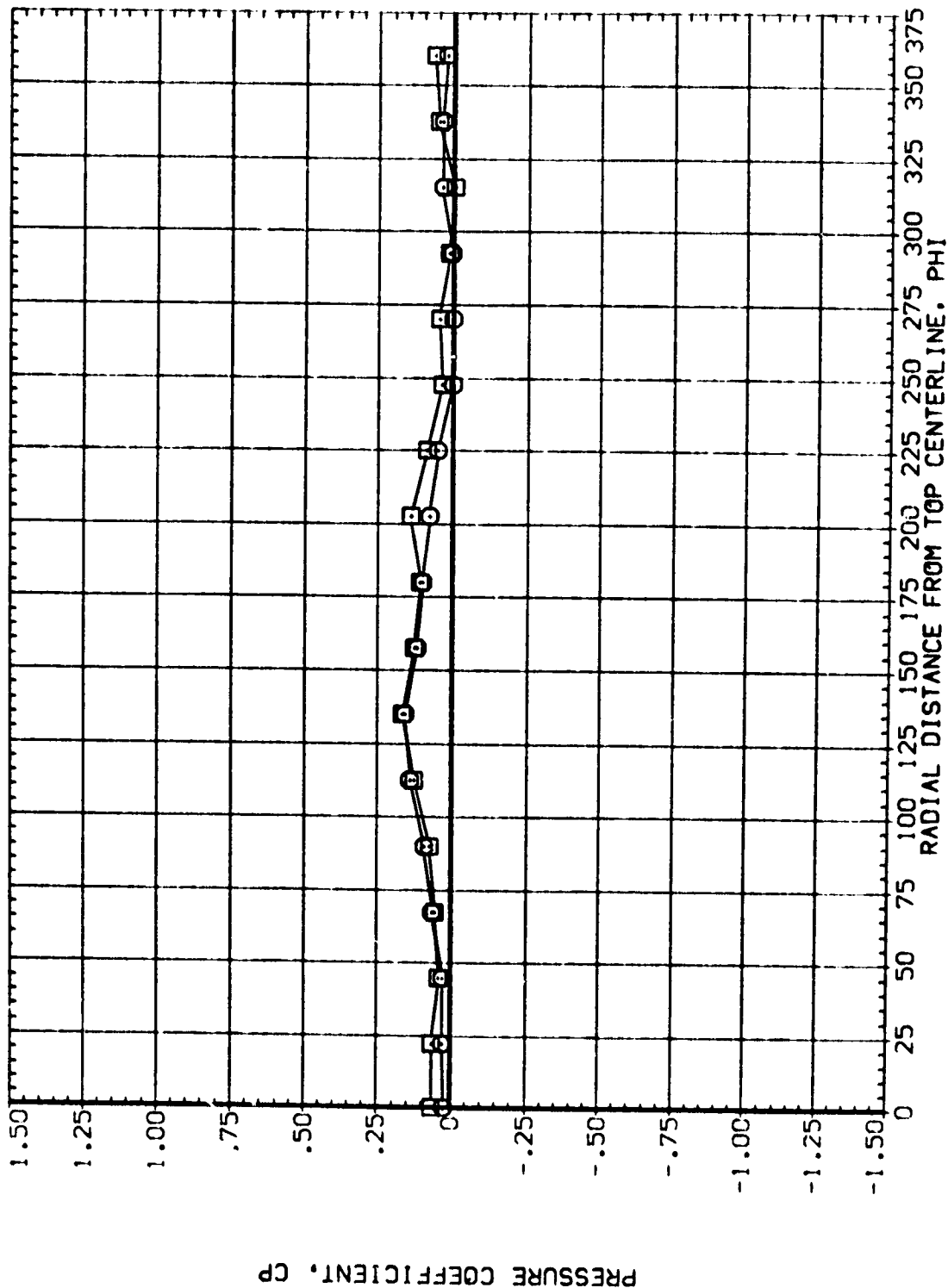
REF
SREF
LREF
BREF
XMRP
YMRP
ZMRP

92 IN.

ALPHA
DELTA Z
BRS-X

VALUES
CONFIG
RUDDER
R3INC

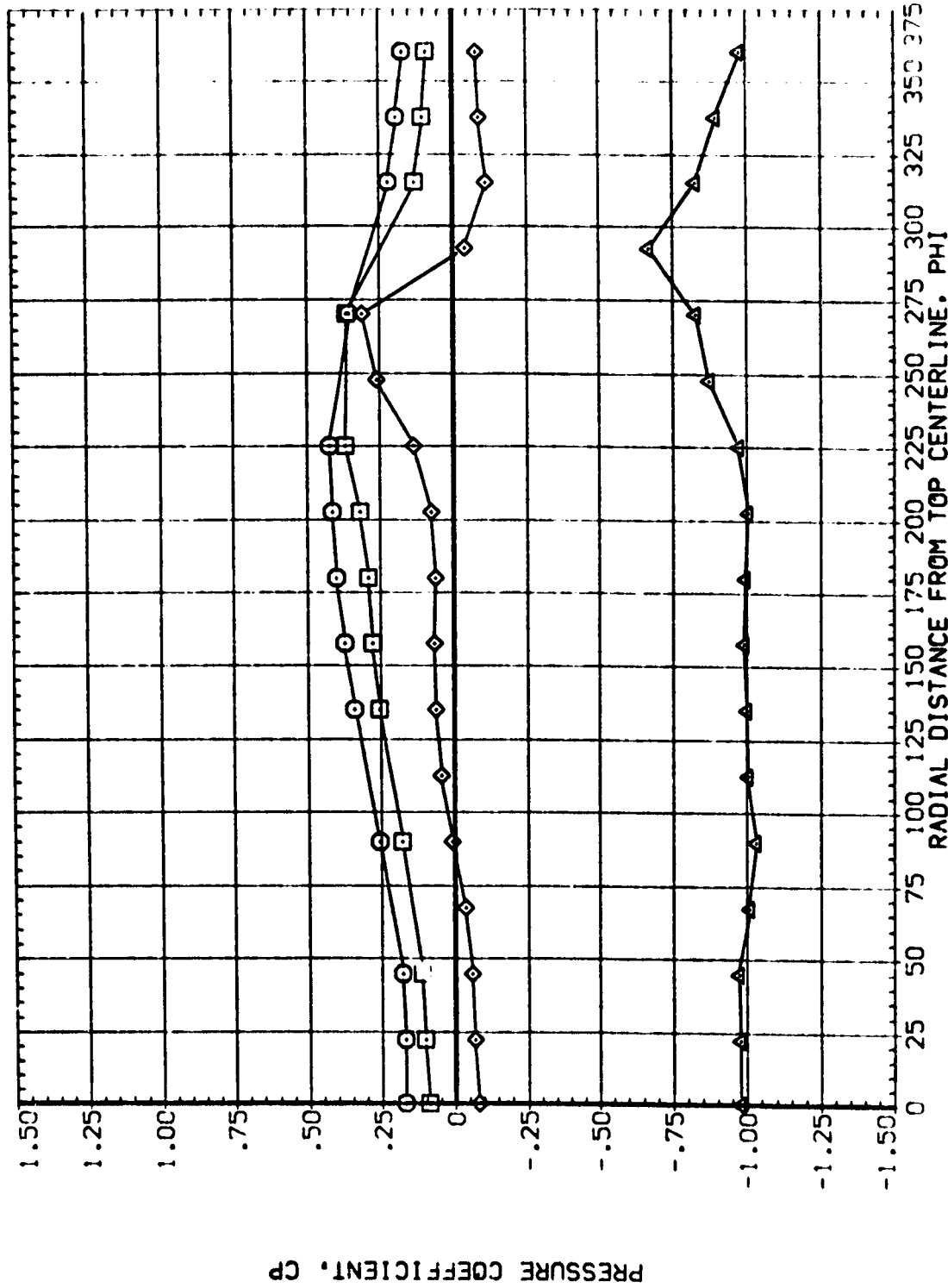
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RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

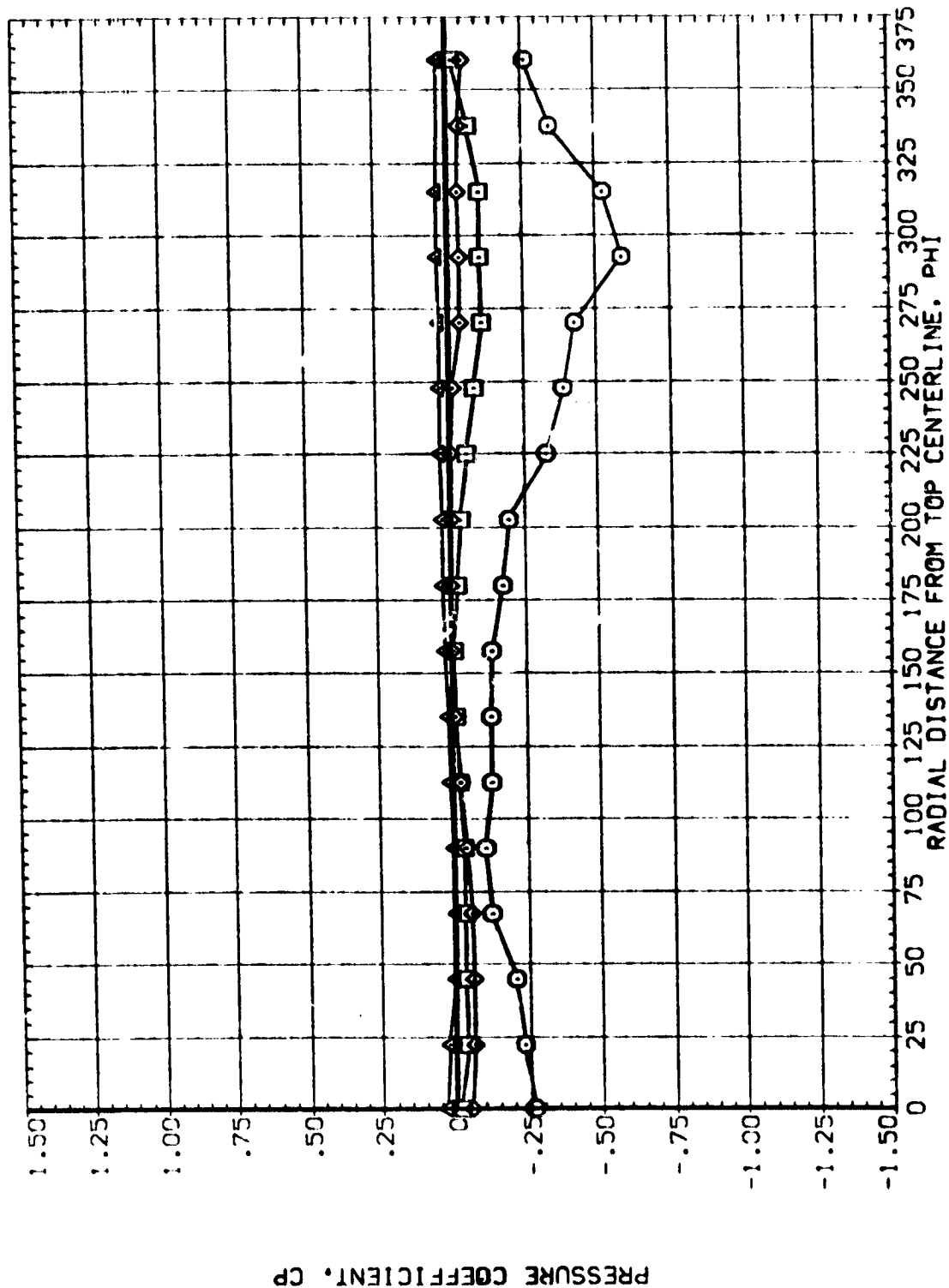
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XPRP	ALPHA	DELTA Z	CONF16	CONF16
○	.043	-4.000	.900	6.198	5.313	5.313	2.548	5.000	.140	.000	.000
□	.072										
◇	.101										
△	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

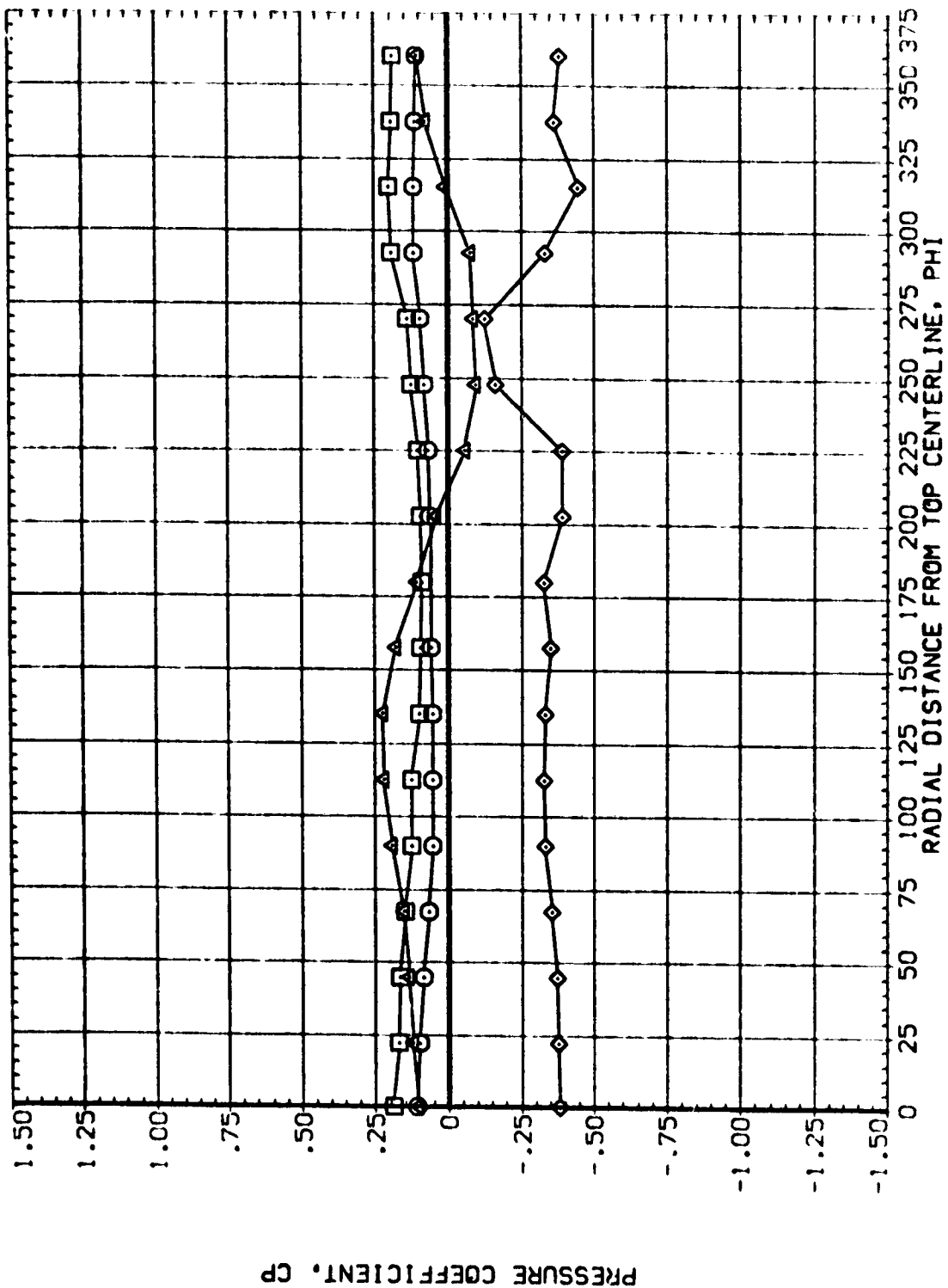
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.152	-4.000	.900	SREF 6.198	50.000
□	.224			LREF 5.313	CONFIG 5.000
◇	.332			BREF 5.313	RUDDER .140
△	.440			XREF 2.549	ORBITAL .500
				YREF .972	
				ZREF .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

S, MBO	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	ALPHA	5.000	CONFIG	90.000
○	.549	-4.000	.900	LREF	5.313	DELTA Z	.140	RUDDER	.000
□	.657			BREF	5.313	X-SRB	.000	ORBITAL	.500
◇	.765			YMRP	2.549				
△	.883			ZMRP	.972				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

SYMBOL

5715
212
955

BETA
-4.000

MACH .900

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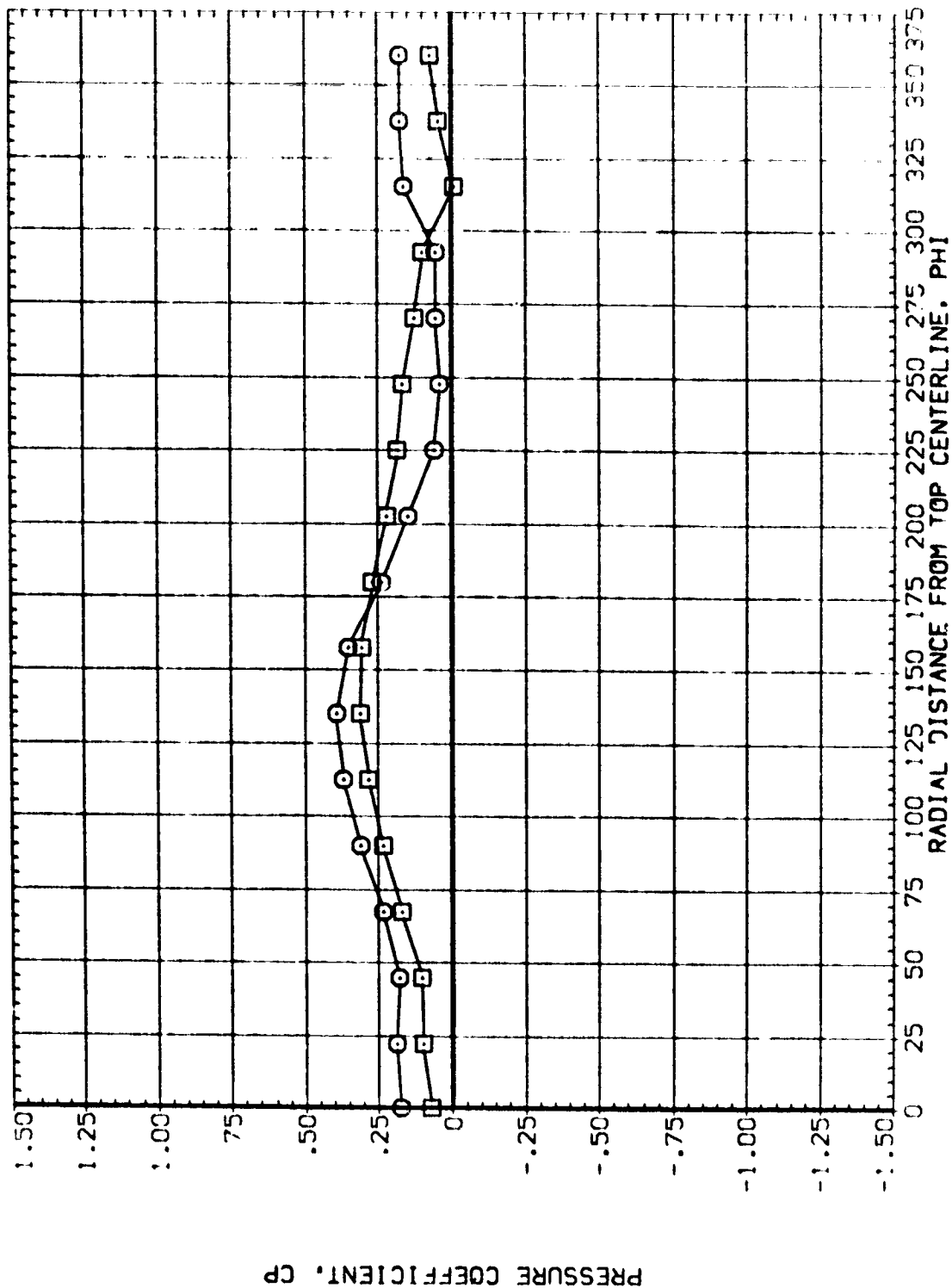
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5.313
5.313

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DELTA

PARA 5.0 .1

ERIC VAL
CONF
AUG

85



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL
 ○ □ ◇ △

W/L S BETA MACH
 .043 .000 .900
 .072
 .101
 .116

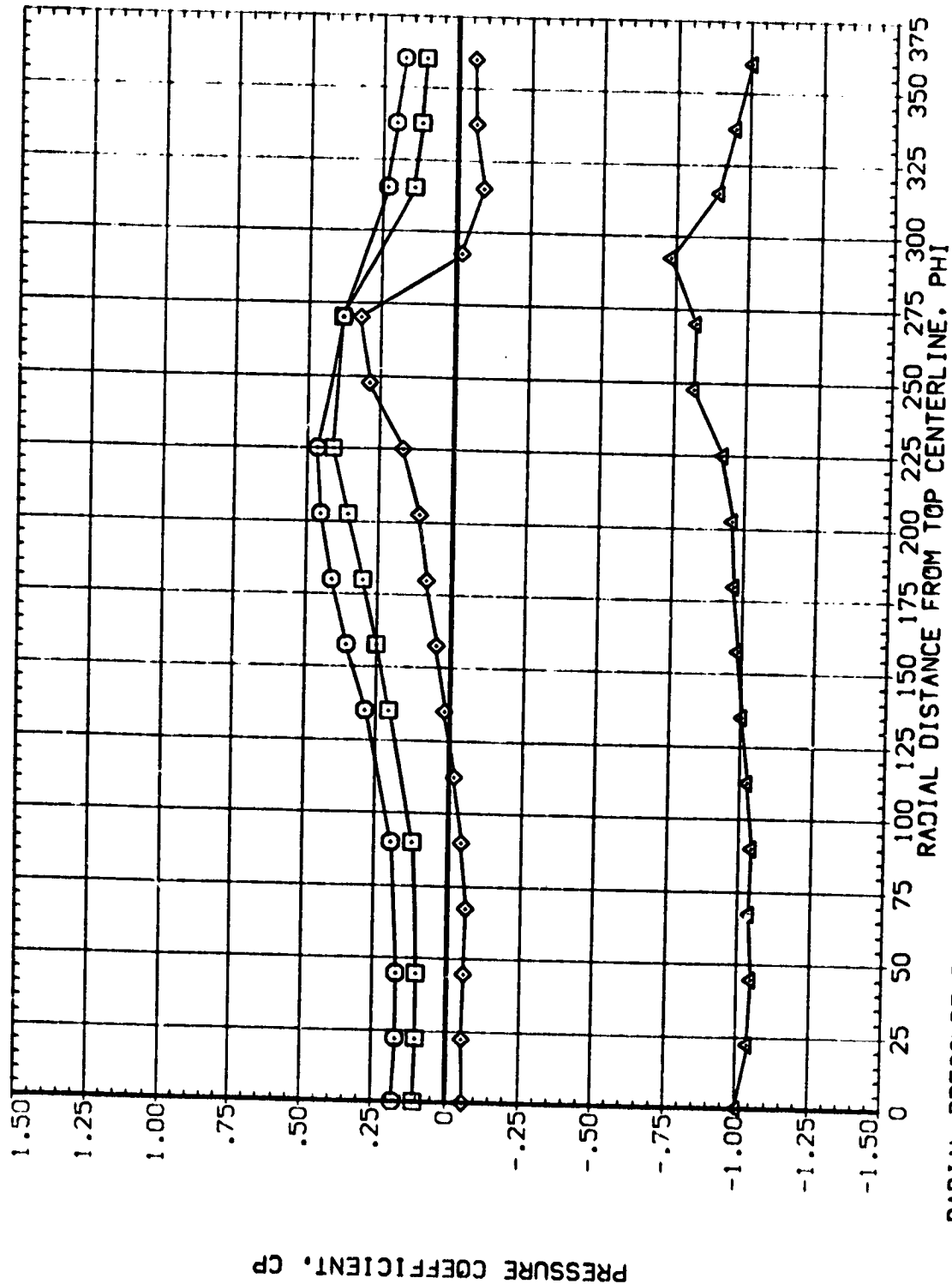
REFERENCE DATA
 SREF 6.198
 LREF 5.313
 BREF 5.313
 XRRP 2.549
 YRRP .972
 ZRRP .000

50. IN.
 IN.
 IN.
 IN.
 IN.

ALPHA
 DELTA Z
 X-SRB

PARAMETRIC VALUES
 5.000
 .140
 .000
 .000
 .500

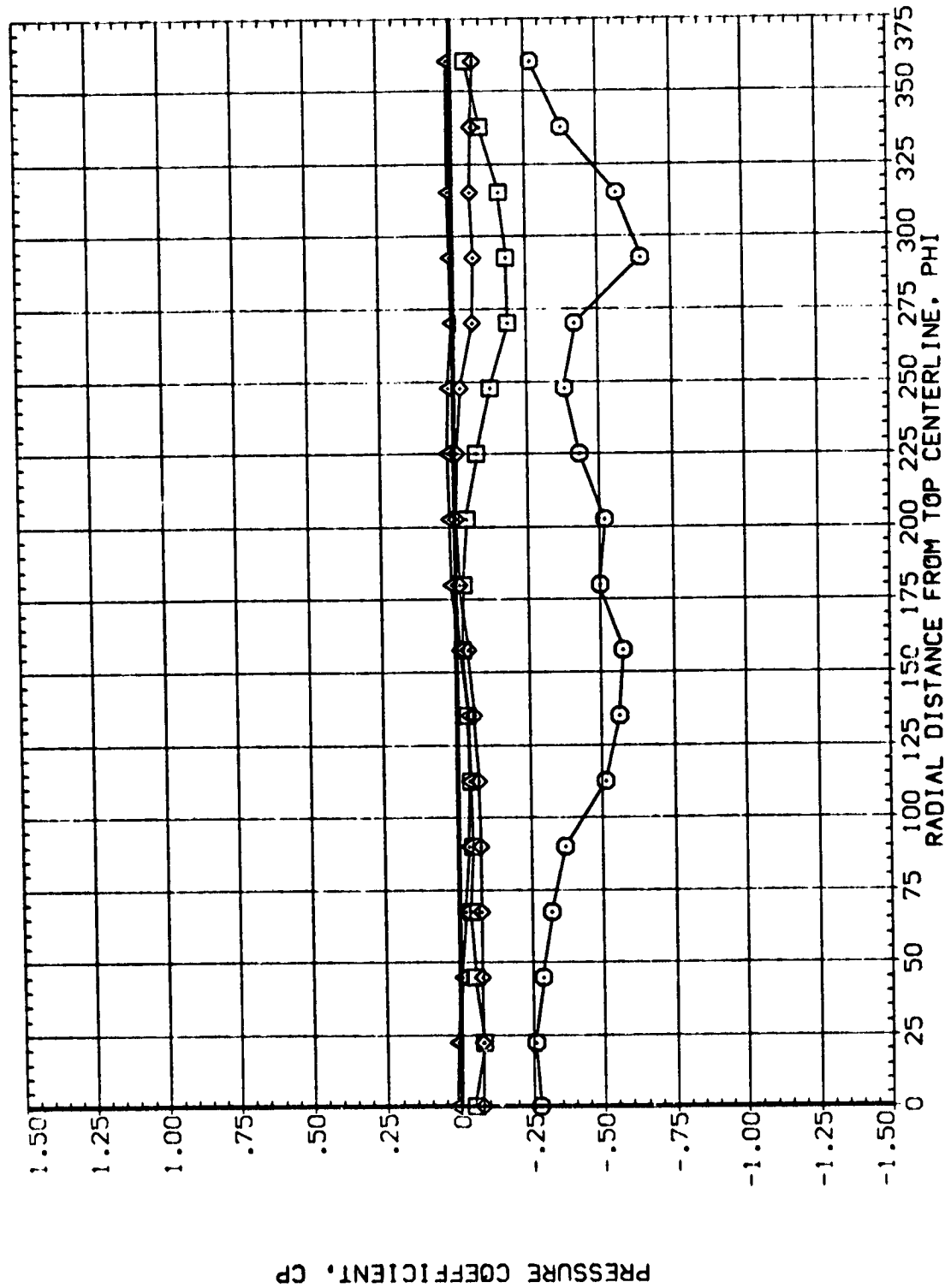
CONF IG
 RUDDER
 CRB INC



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

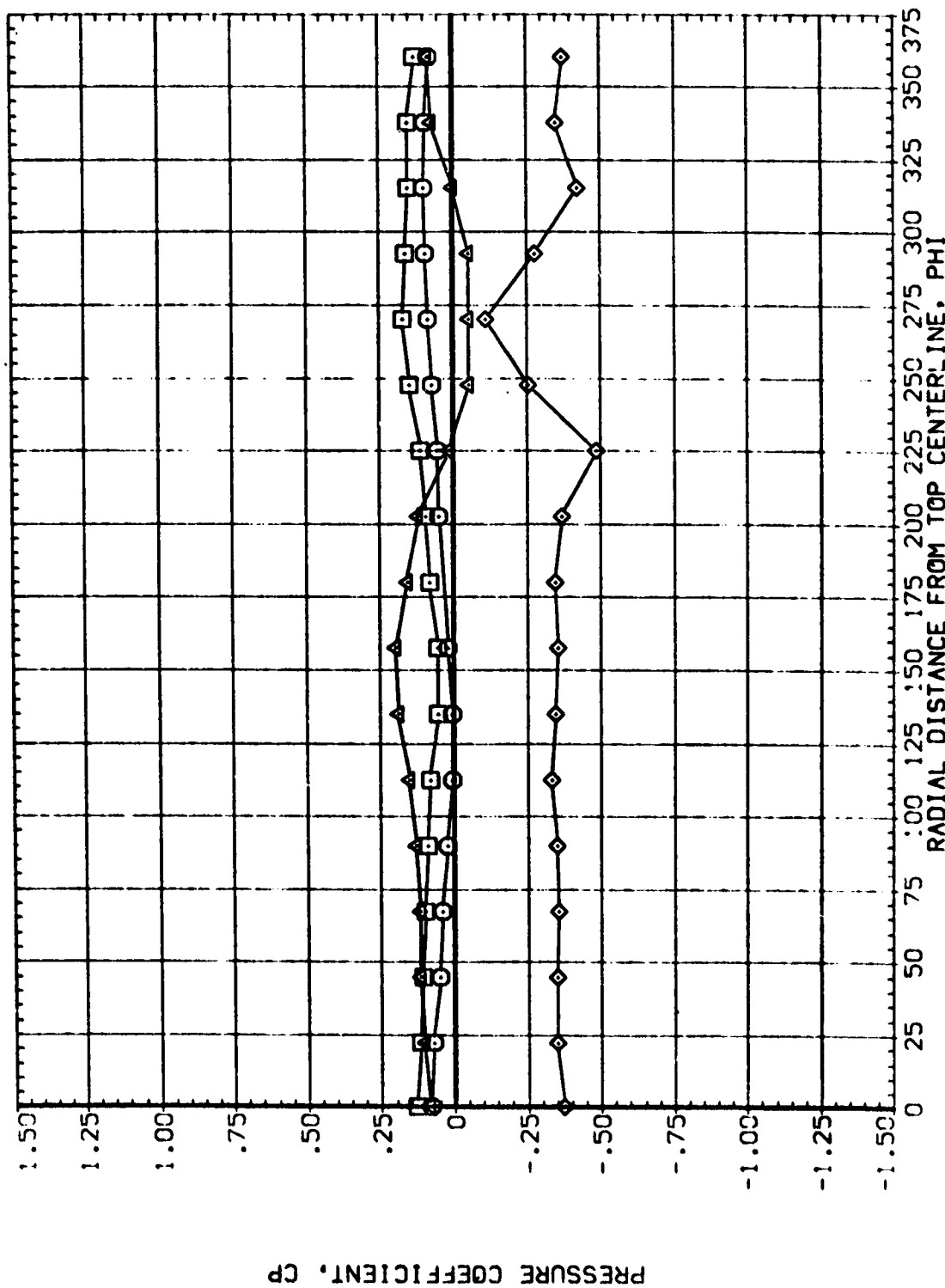
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SG. IN.	ALPHA	DELTAZ	CONF IG
○	.152	.000	.900	6.198	5.313	5.313	2.549	IN.	5.000	.140	RUDDER
◇	.224							IN.	.000	.000	ORB INC
△	.332							IN.			
▽	.440							IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

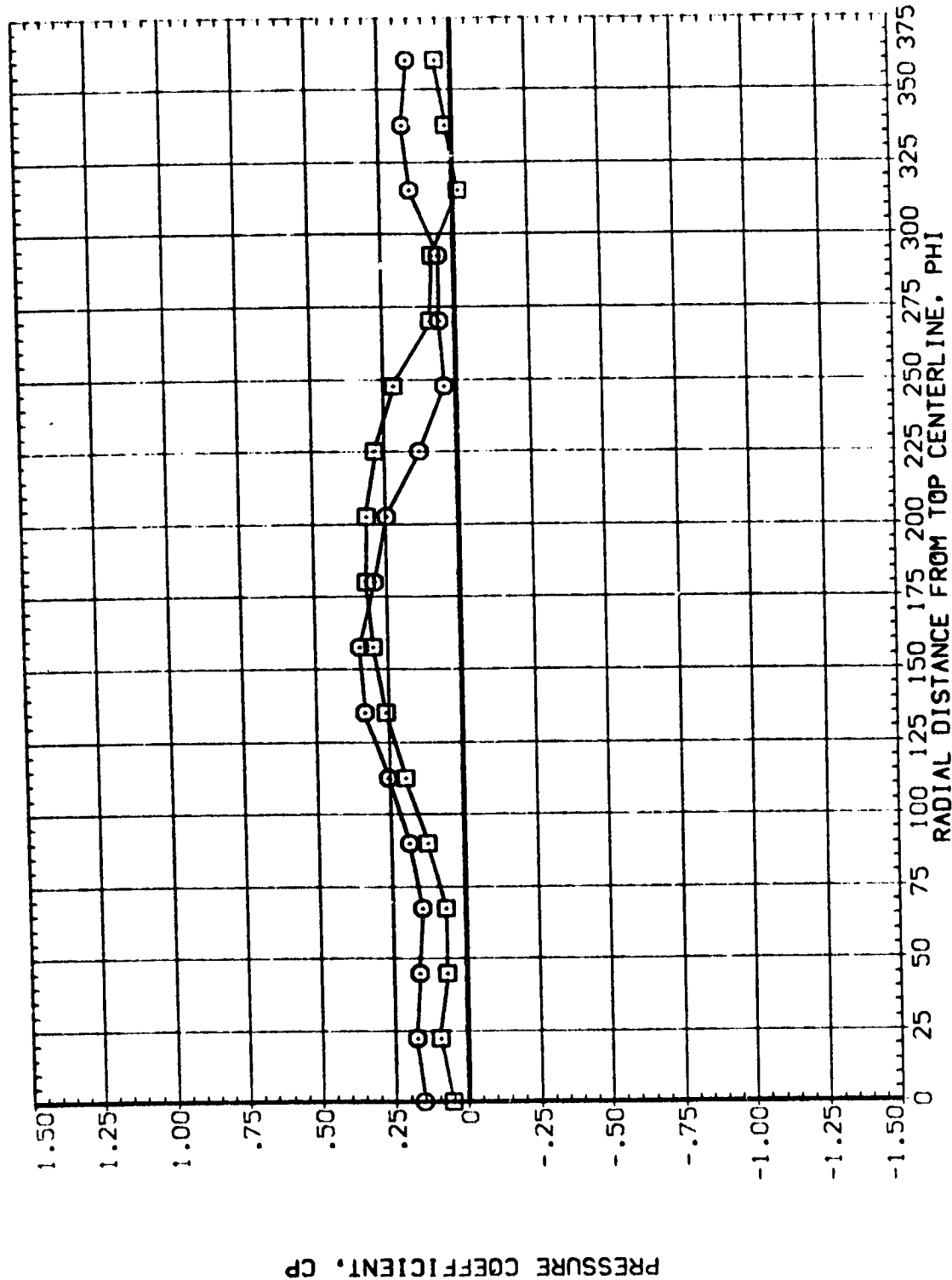
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
□	.549	.000	.900	SREF 6.198	50.000
◇	.657			LOEF 5.313	CONF IG
△	.765			BREF 5.313	.140
	.883			XMRP 2.549	RUDDER
				ZMRP .972	.000
					ORBIT INC
					.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

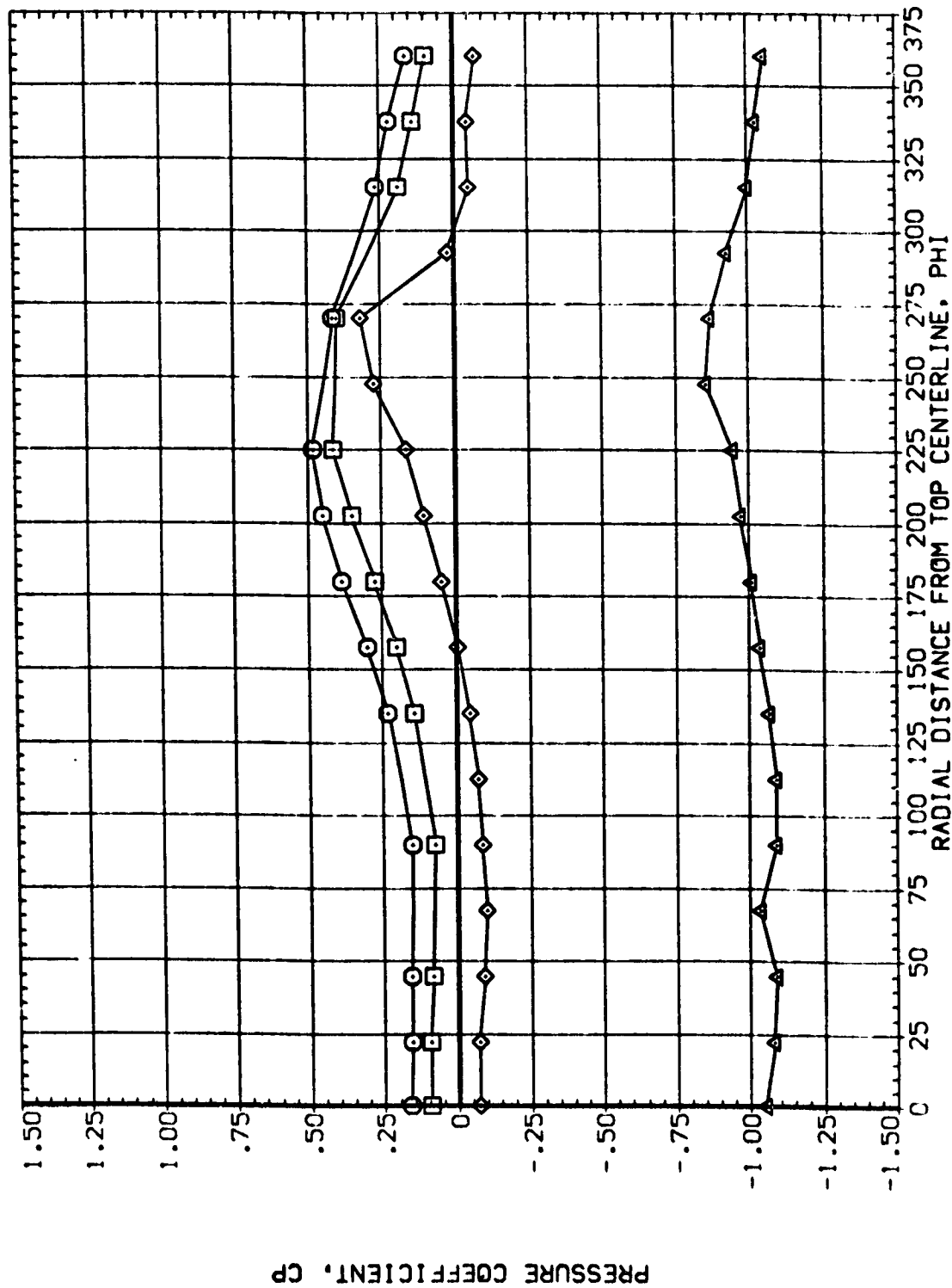
SYMBOL	X/LS		BETA		MACH		REFERENCE DATA				PARAMETRIC VALUES			
	.912	.955	.000	.000	.900	.900	SREF	LREF	BREF	XMRP	ZMRP	5.000	CONFIG	90.000
□							5.198	5.313	5.313	2.549	.972	.000	RUDDER	.000
□												.000	948INC	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

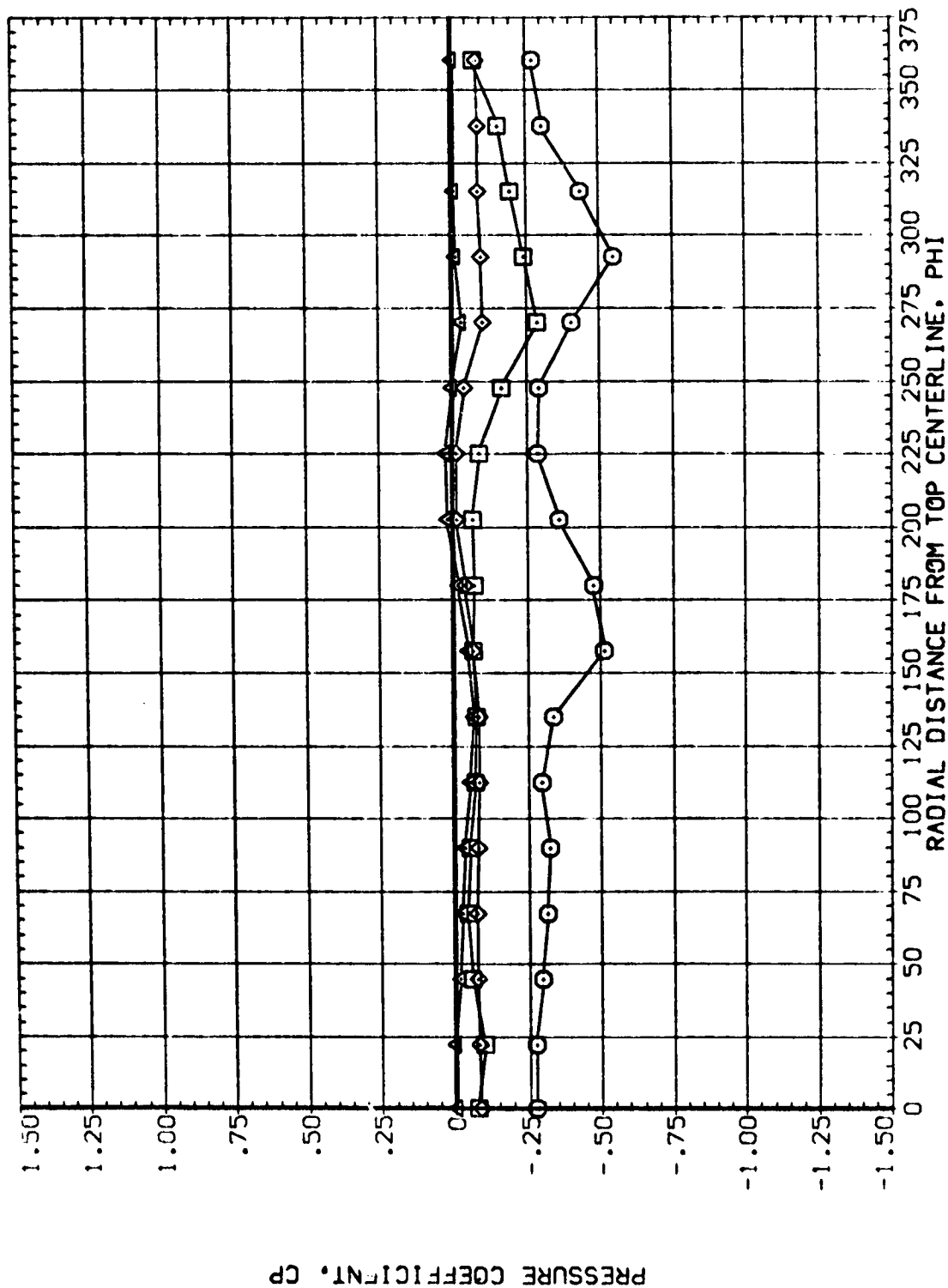
SYMBOL	X/L'S	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SD. IN.	ALPHA	CONF IG	
○	.043	4.000	.900	5.198	5.313	5.313	2.549	IN.	DELTA Z	.000	RUDDER
□	.072							IN.	X-SRB	.000	ORBITAL
◇	.101							IN.			
△	.116							IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

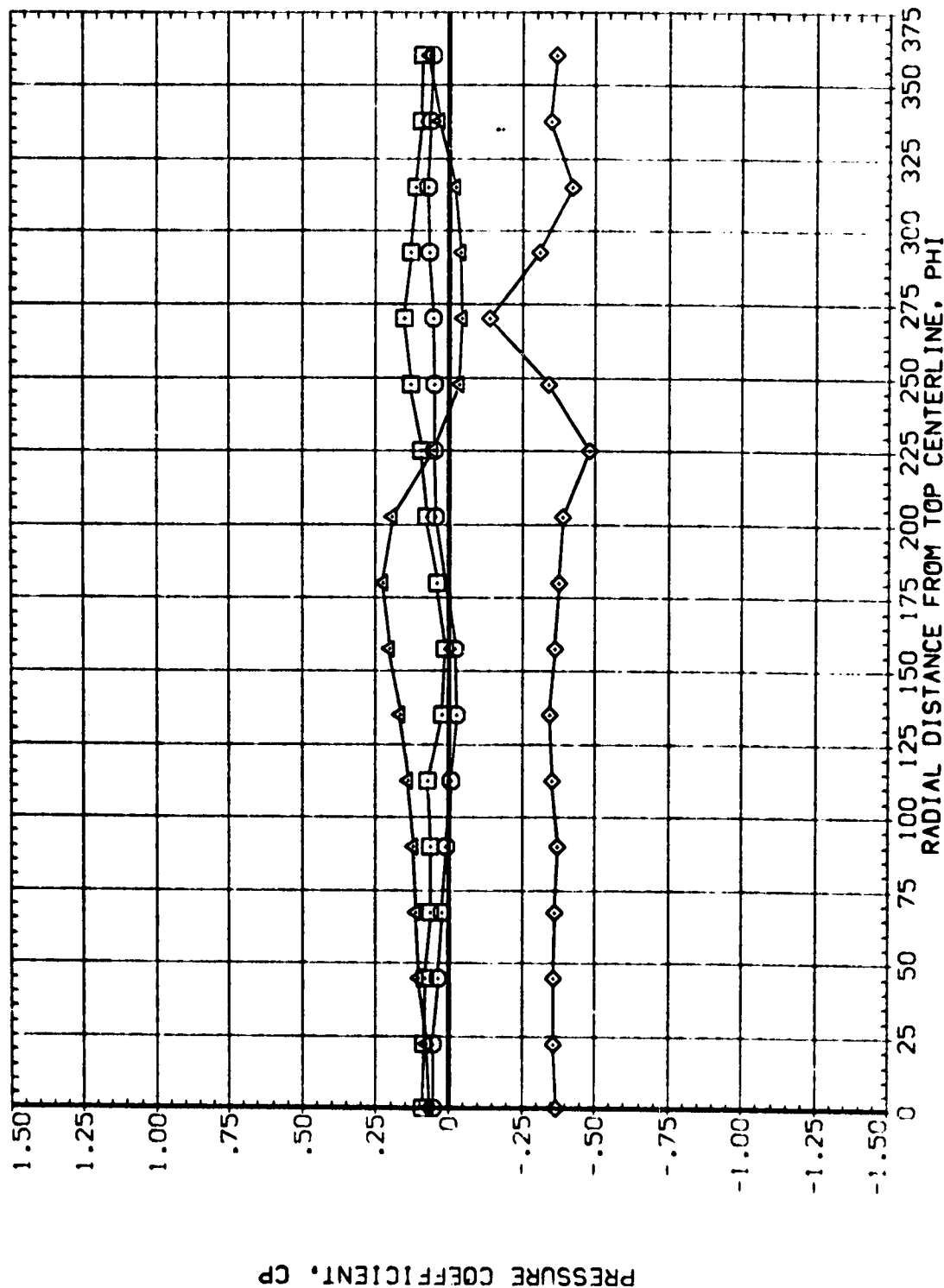
SYMBOL	X/L S	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES				
				SREF	6.198	SQ. IN.	ALPHA	5.000	CONF 16	90.000
○	.152	4.000	.900	LREF	5.313	IN.	DELTA Z	.140	RUDDER	.000
◇	.224			BREF	5.313	IN.	X-SRB	.000	ORBIT	.500
	.332			YMRP	2.549	IN.				
	.440			ZMRP	.972	IN.				
					.000	IN.				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

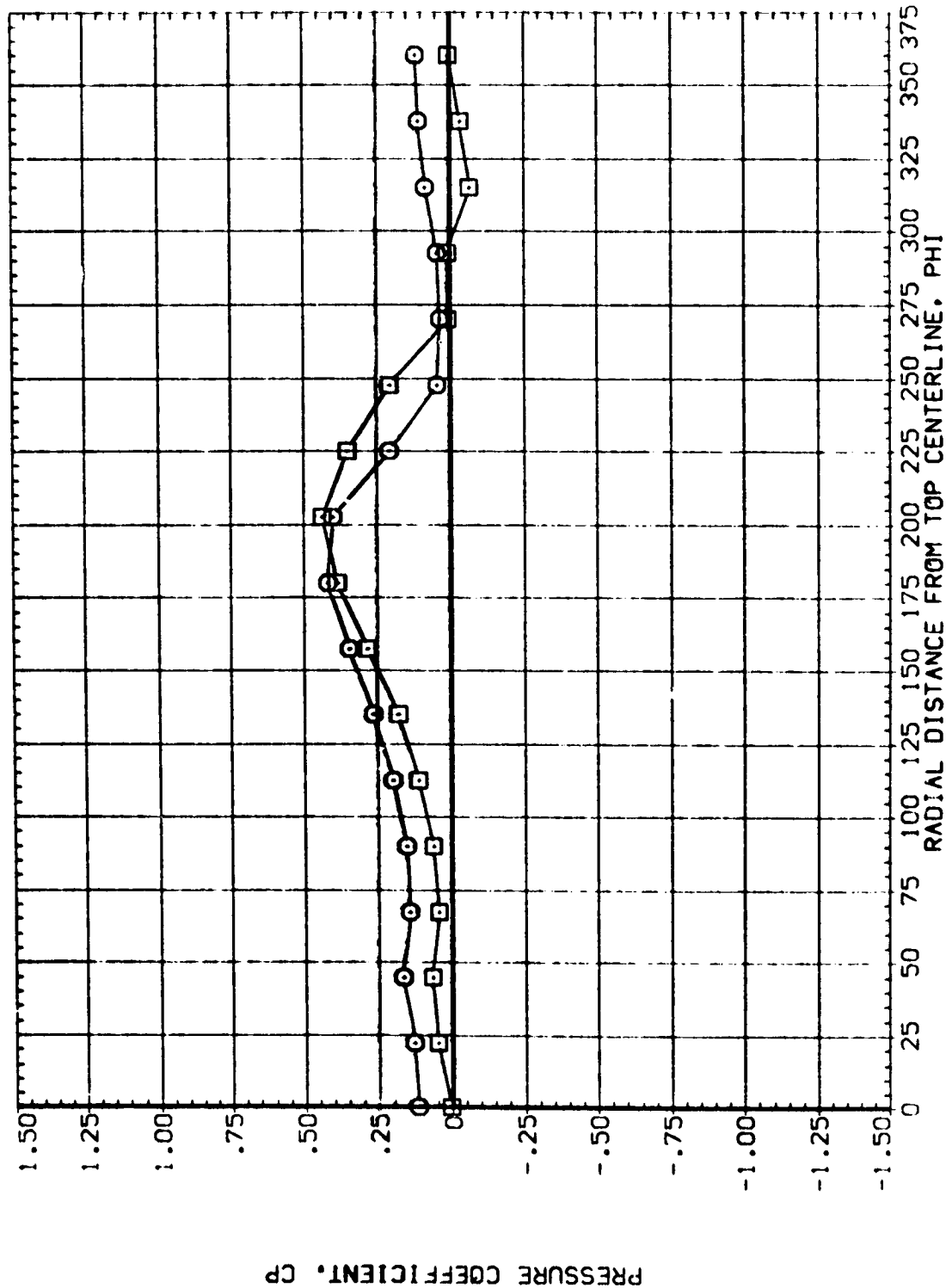
SYMBOL	X/L S	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	DELTA Z	CONFIG	ORIGIN
○	.549	4.000	.900	6.198	5.313	5.313	2.549	.140	.000	5.000	90.000
□	.657									.140	.000
◇	.765									.000	.500
△	.883									.000	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

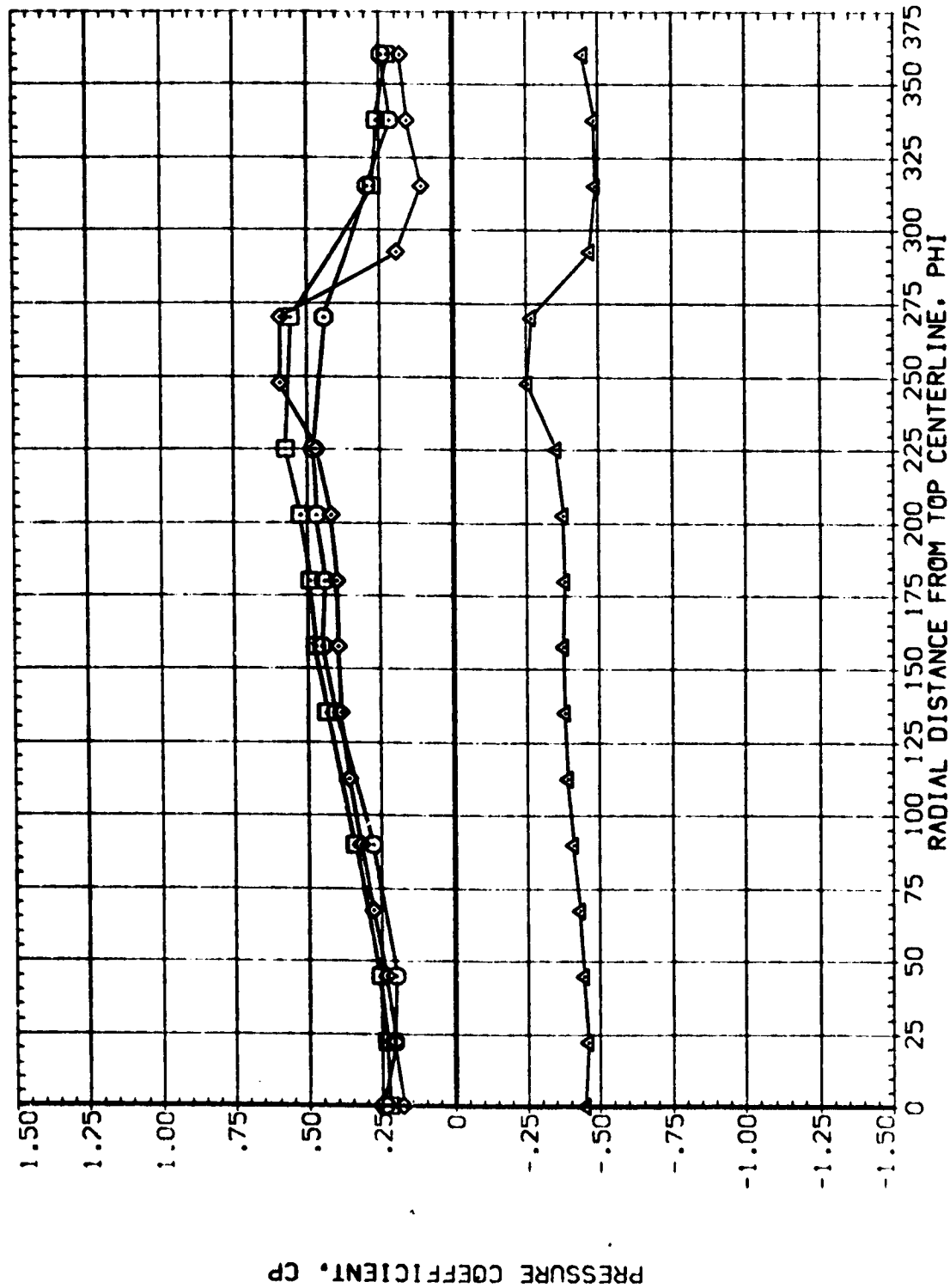
SYMBOL	X/L S	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SO. IN.	ALPHA	CONF IG		
□	.912	4.000	.900	6.198	IN.	DELTA Z	5.000	RUDDER	90.000
○	.955			5.313	IN.	X-SRB	.140	ORB INC	.000
				2.549	IN.		.000		.500
				.972	IN.				
				.000	IN.				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

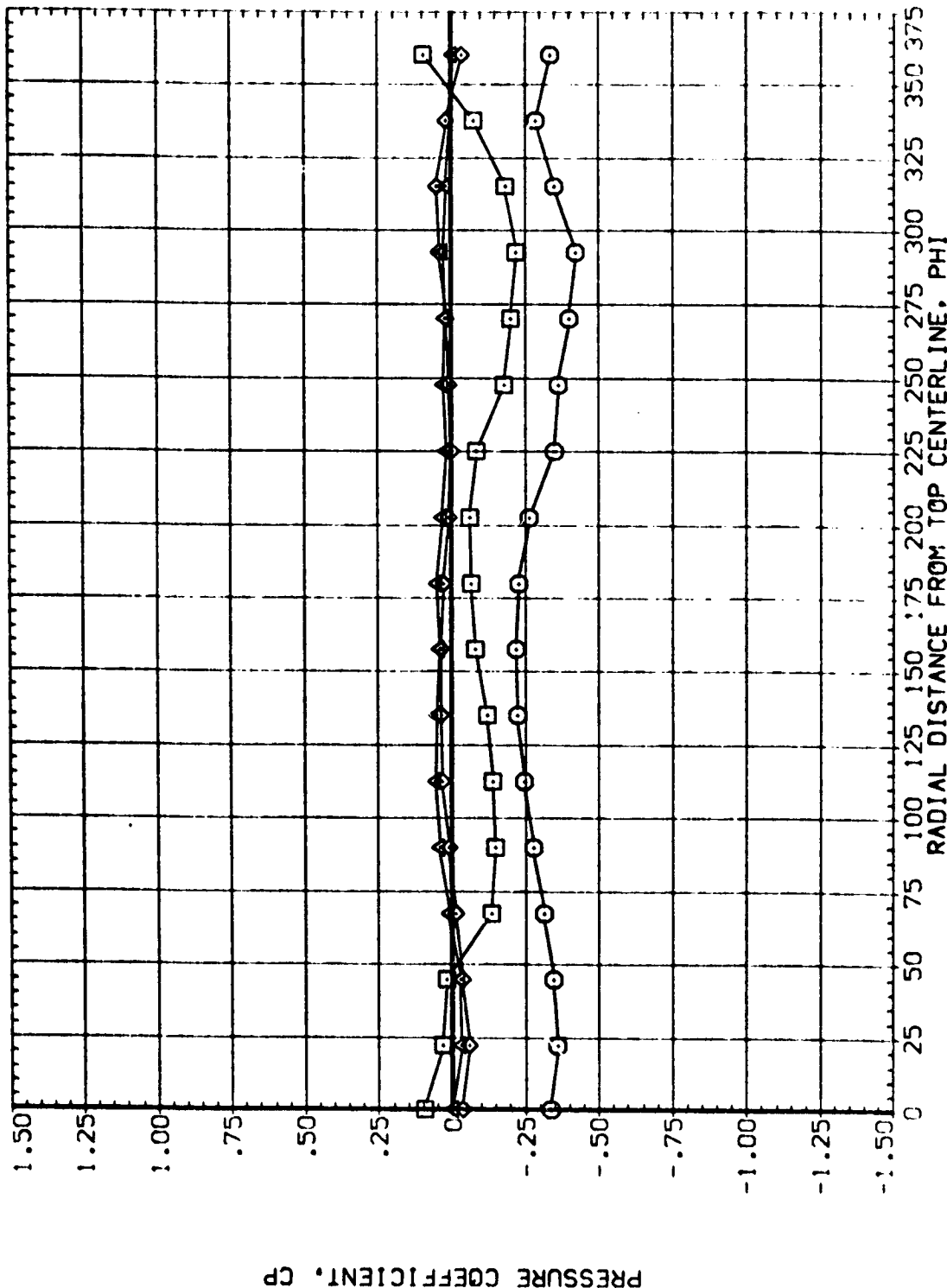
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	5.000	CONF16
□	.043	-4.000	1.250	LREF	5.313	IN.	DELTA Z	.140	RUDDER
◇	.072			BREF	5.313	IN.	X-SRB	.000	ORBITAL
	.101			YREF	2.549	IN.			
△	.116			ZREF	.572	IN.			
					.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

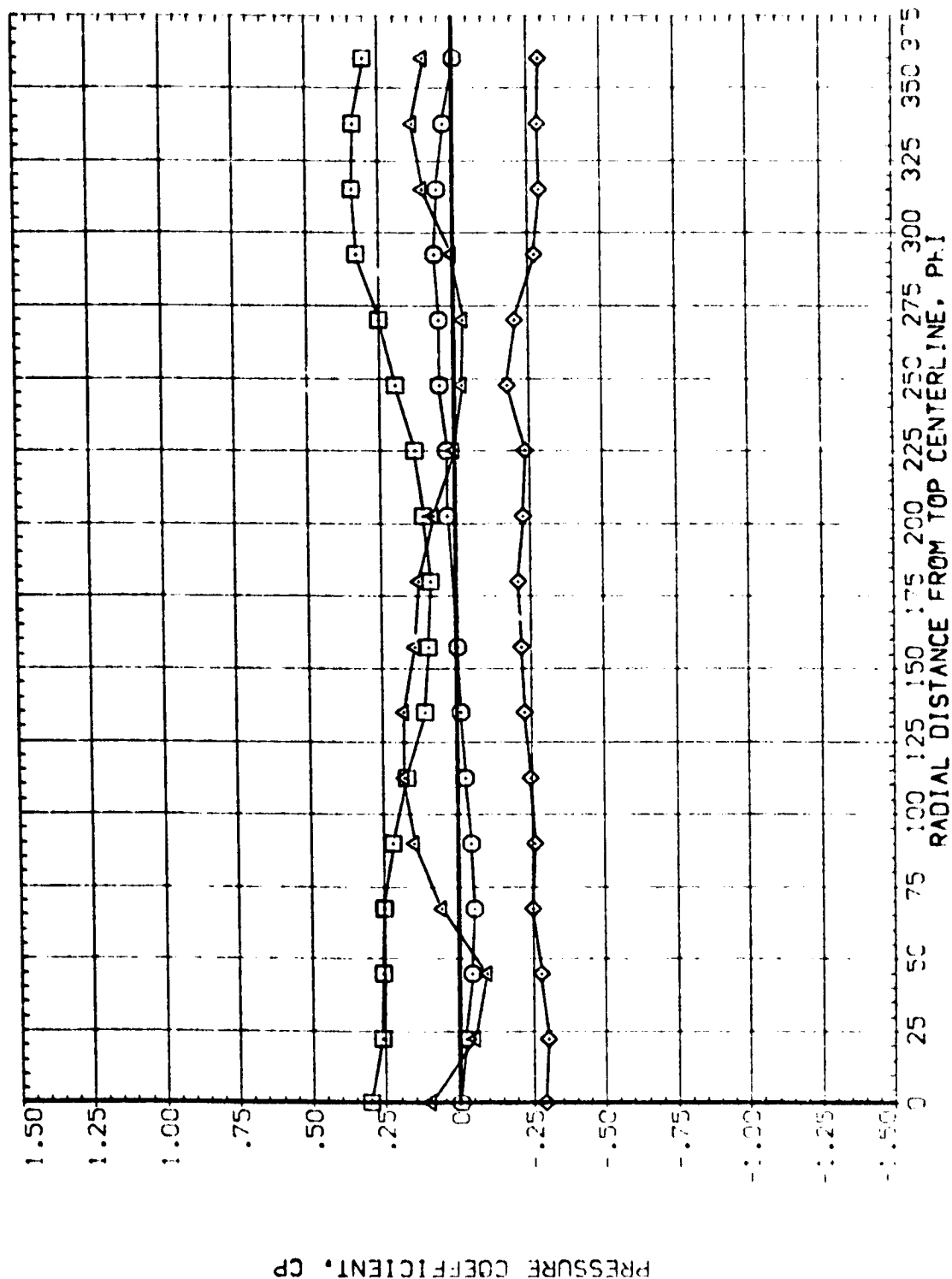
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.152	-4.000	1.250	SREF 6.198	CONF IG 50.000
□	.224			LREF 5.313	RUDDER .000
◇	.332			BREF 5.313	.140
△	.440			XMRP 2.549	.000
				YMRP .972	ORB INC .500
				ZMRP .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL	X/L5	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	ZMRP	SG. IN.	ALPHA	CONF IG	90.000
○	.549	-4.000	1.250	6.198	5.313	5.313	2.549	IN.	DELTA Z	RUDDER	.000
□	.657						.972	IN.	X-SRB	ORB IN	.500
◇	.765						.000	IN.			
△	.883							IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSEC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82SC03)

SYMBOL

x75
 .912
 .955

BE7A
-4,000

1.250
MACH

REFERENCES

DATA
1.198
2.313
3.313

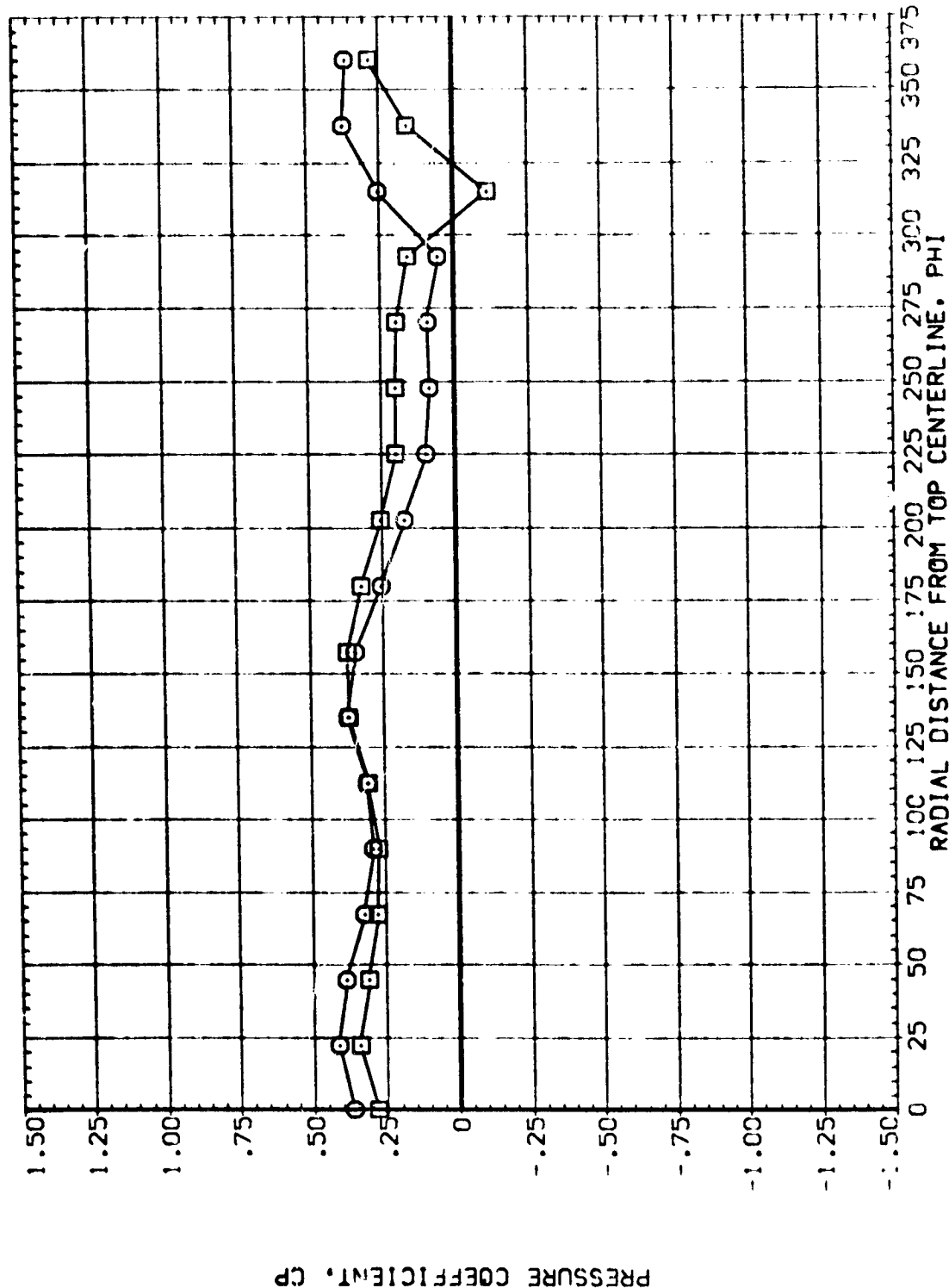
 \dot{z}

ALPHA
DELTA Z
Y-CORR

PARADE
5.000
.140
000

... VALUE
CONFIG
RUDER
BRAINC

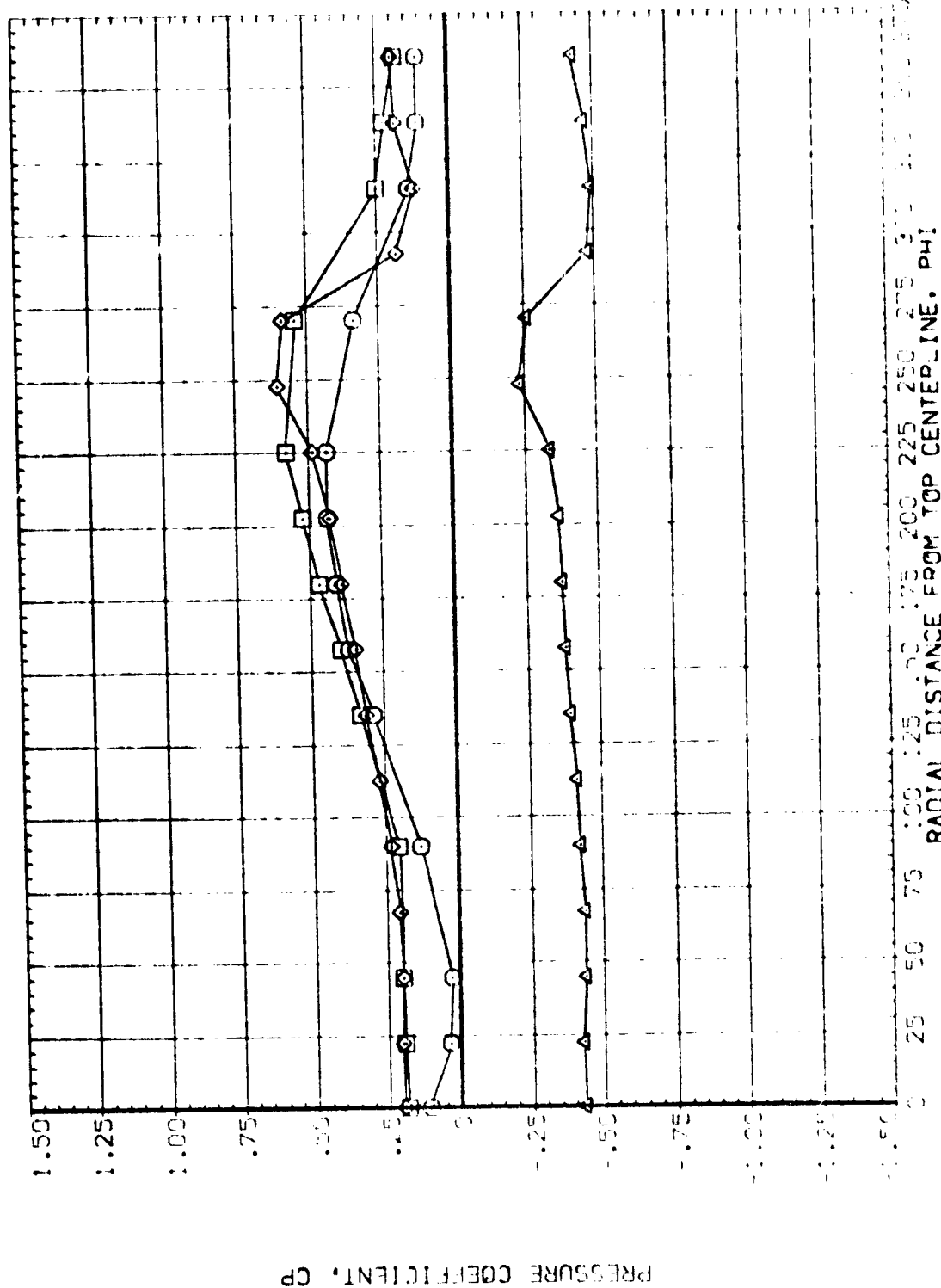
90.005



RADIAL PRESSURE DISTRIBUTION ON LEFT SKM BOOSTER T9 S3/2 S3/2 C3

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

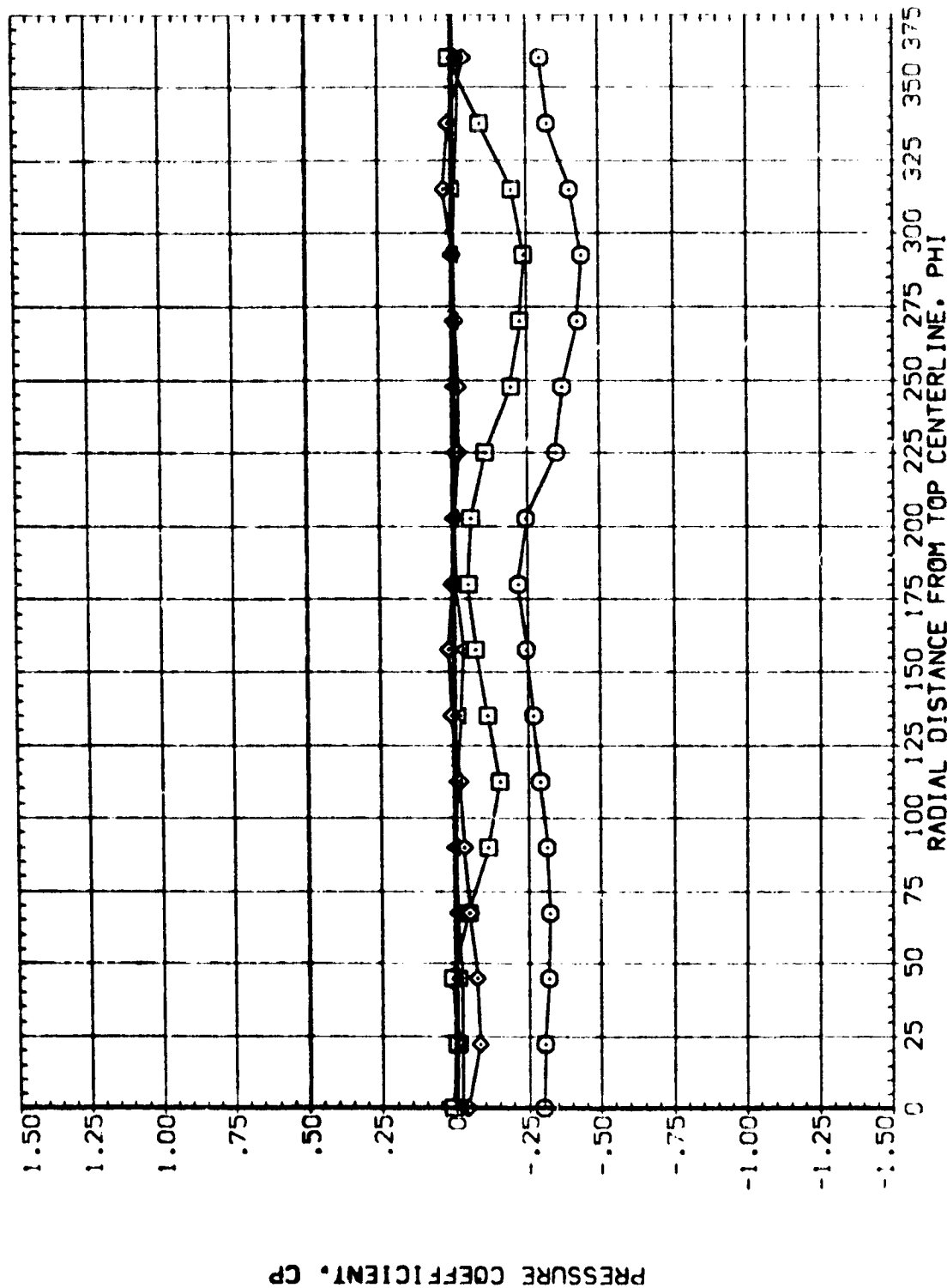
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LINE	BREF	XMRP	ALPHA	CONF IG	CL	ORIGIN
□	.043	.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	5.000	.140	9.000
◇	.072							X-SRB	.000	.000	.500
△	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 C3 SRM BOOSTER (A82S03)

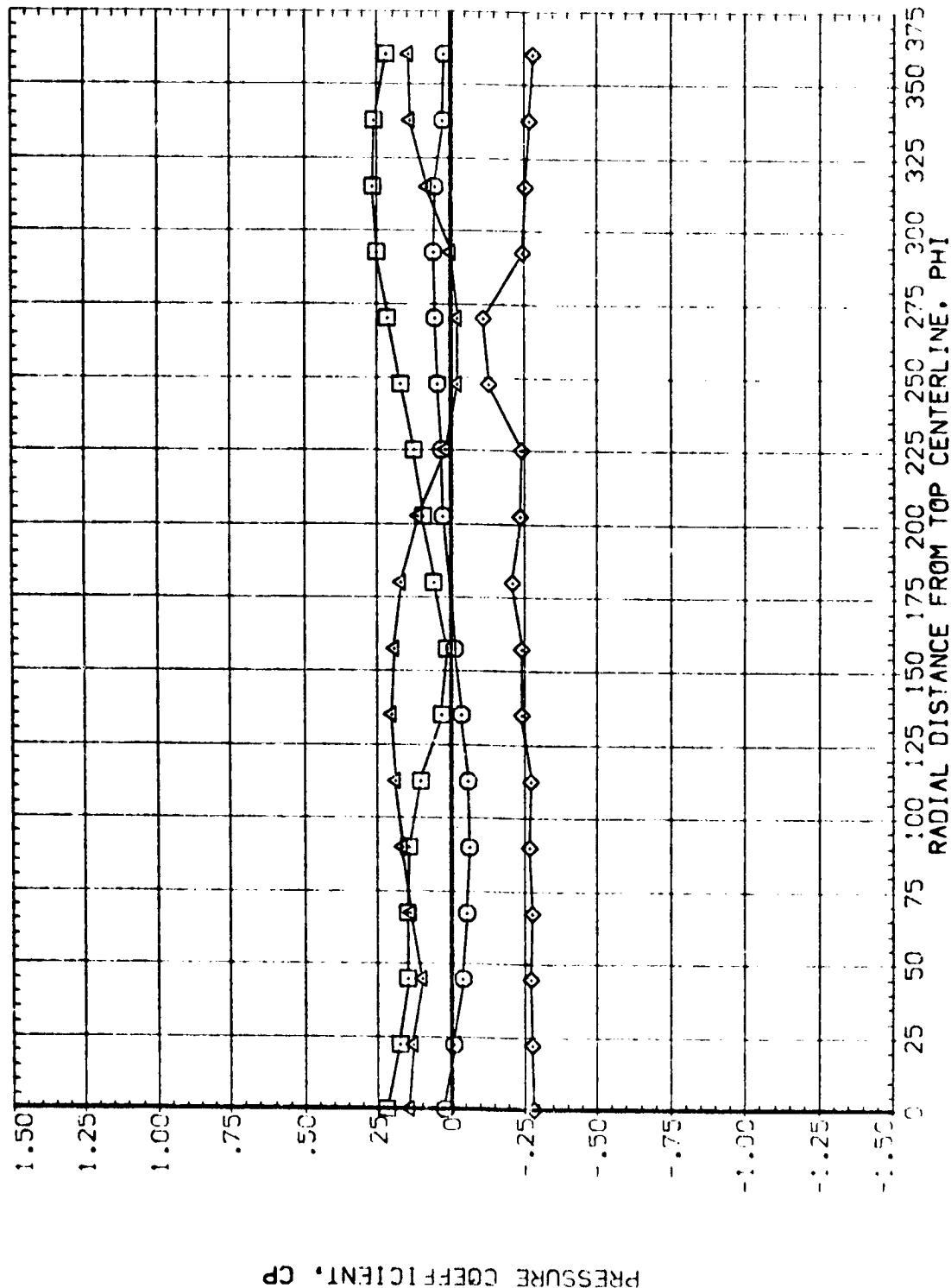
SYMBOL	X/L	BETA	MACH	REFERENCE DATA			PARAMETRIC VALUES			
◇	.152	.000	1.250	SREF	5.198	50 IN.	ALPHA	5.000	CONF IG	90.000
□	.224			LINEF	5.313	IN.	DELTA Z	.140	RLODER	.000
◇	.332			BREF	5.313	IN.	X-SFB	.000	ORBIT NC	.500
△	.440			XMRP	2.549	IN.				
				YMRP	.972	IN.				
				ZMRP	.000	IN.				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 C3

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

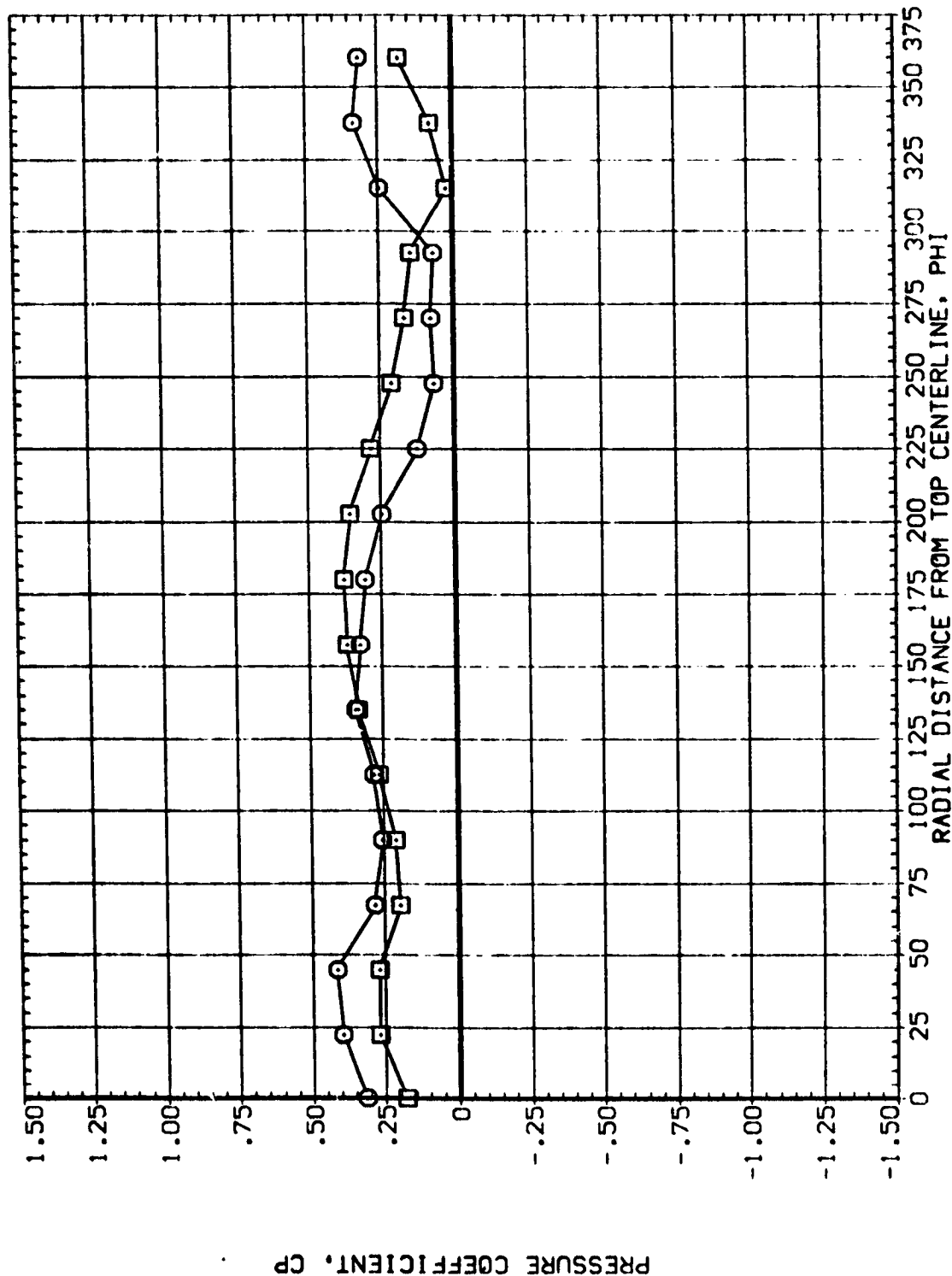
SYMBOL	Y/S	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ZMRP	SO. IN.	IN.	IN.
○	.549	.000	1.250	6.198	5.313	5.313	2.549	.972	.000	.000	.000
□	.657								.140	RLODER	.000
◇	.765								.000	ORBINC	.500
△	.683										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

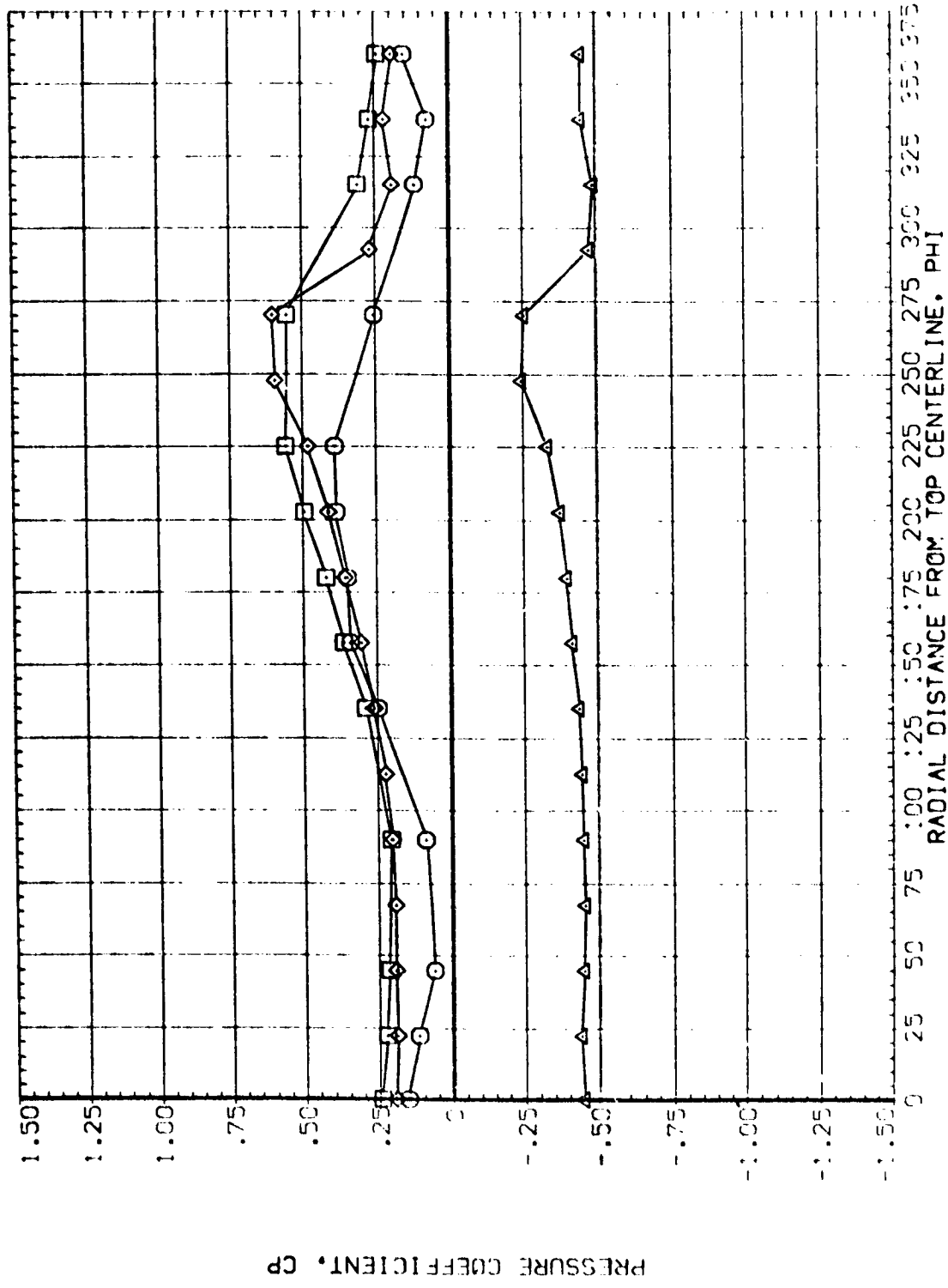
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	DELTA Z	CONF IG	
○	.912	.000	1.250	6.198	5.313	5.313	2.549	.140	.000	RUDDER	.000
□	.955	.000	1.250	5.313	2.549	.972	.000	.000	.000	ORBITING	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

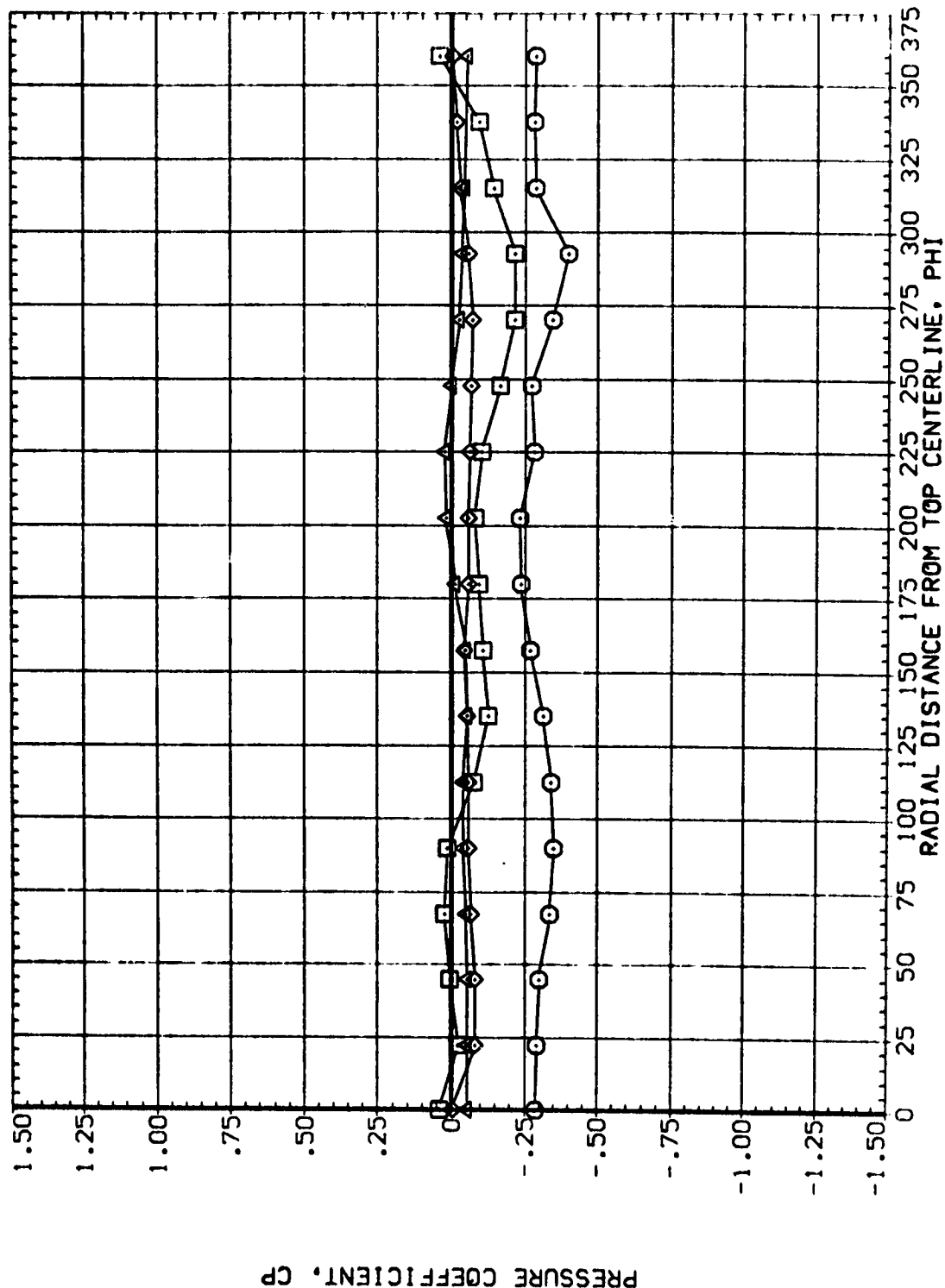
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XPRP	50. IN.	ALPHA	CONF IG	90.000
○	.043	4.000	1.250	6.198	5.313	5.313	2.549	IN.	DELTA Z	RUDDER	.000
□	.072						.972	IN.	X-SRB	ORBITAL	.500
◇	.101										
△	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

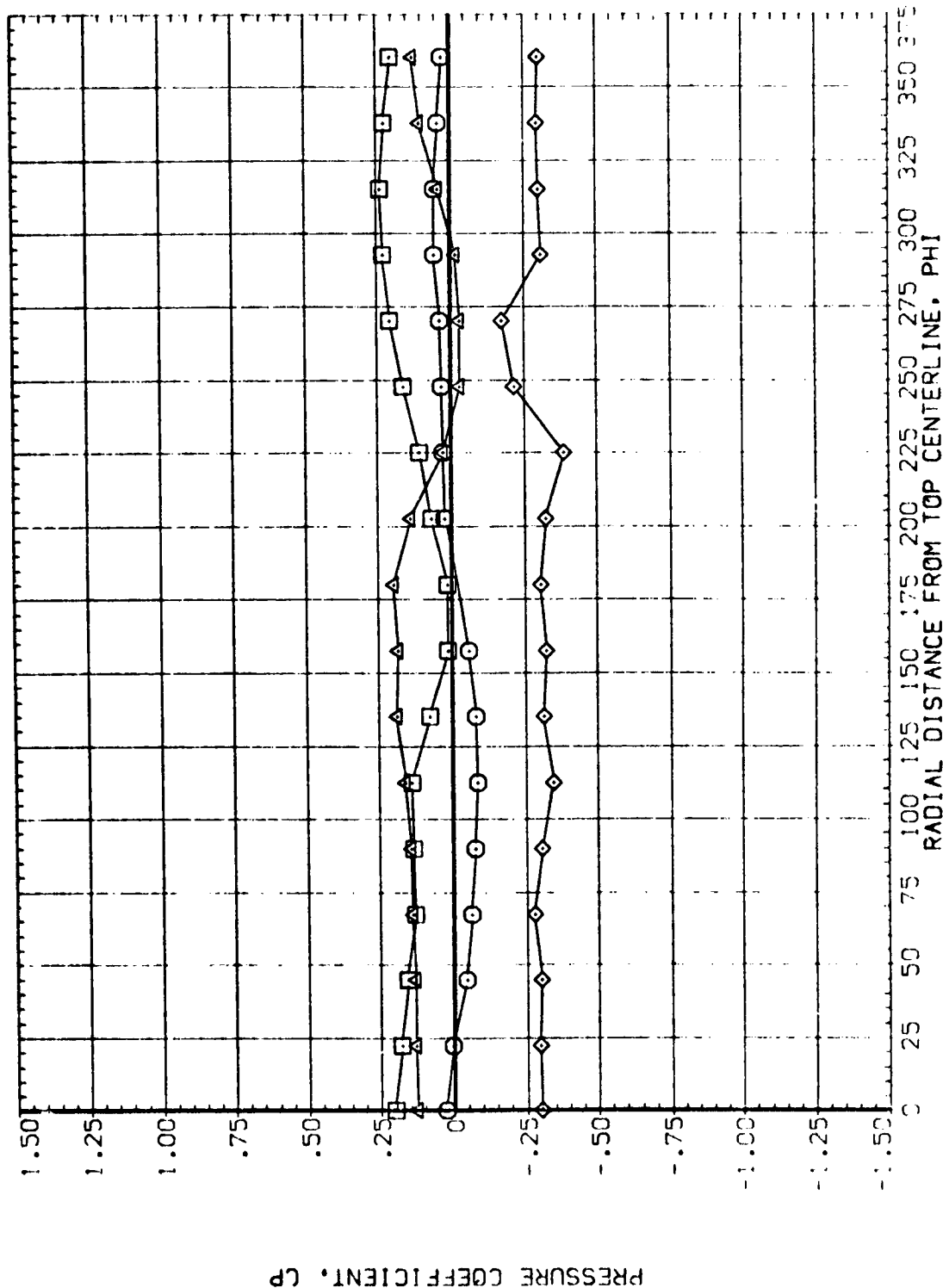
SYMBOL	X/L5	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.152	4.000	1.250	SREF 6.198	50.000
□	.224			LREF 5.313	CONF IG
◇	.332			BREF 5.313	.140
△	.440			XREF 2.549	RUDER
				YMRP .972	.000
				ZMRP .000	ORBIT INC
					.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

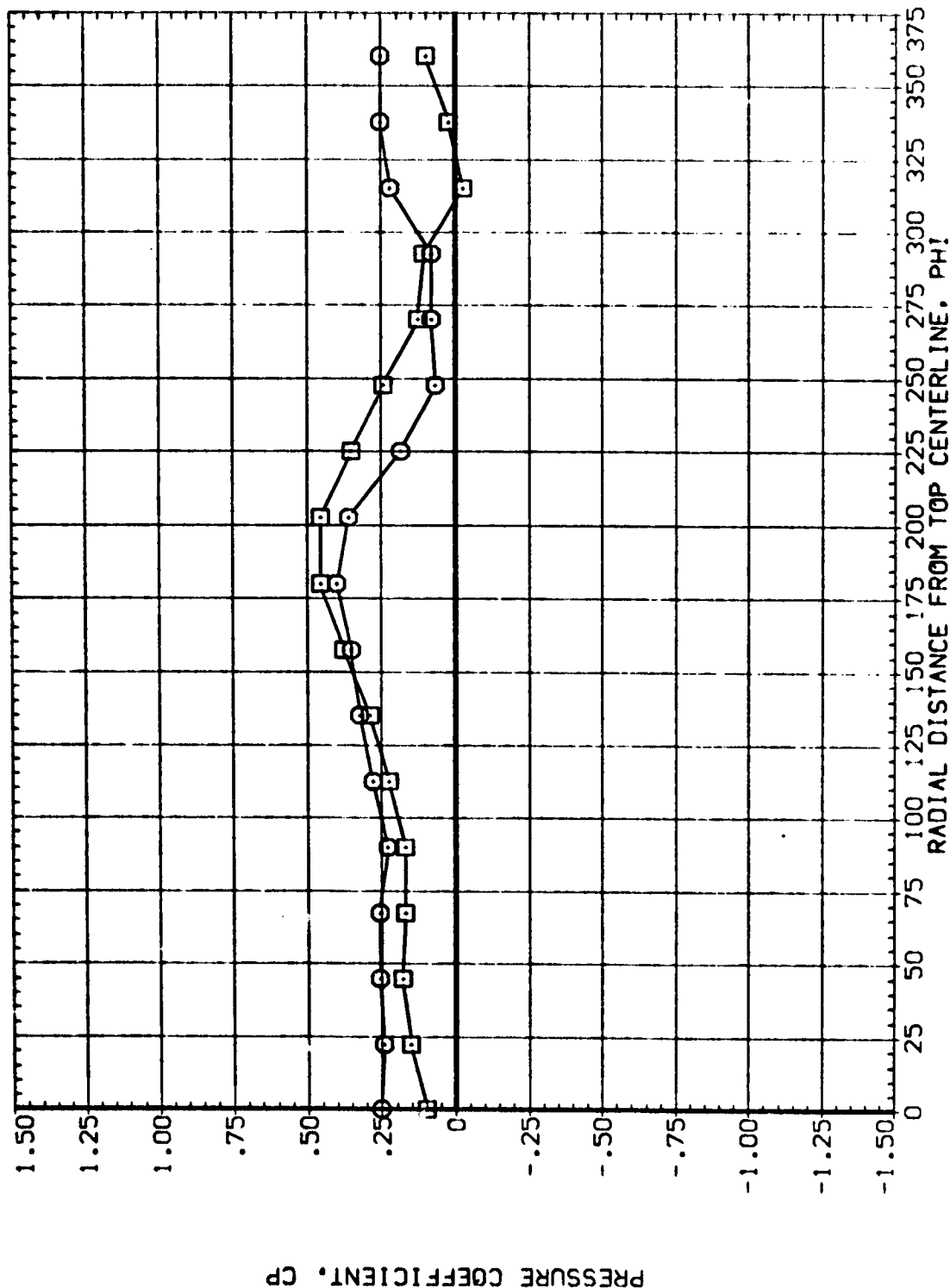
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	5.000	CONFIS
○	.549	4.000	1.250	LREF	5.313	IN.	DELTAZ	.140	RUDER
□	.657			BREF	5.313	IN.	X-SRB	.000	CRBINC
◇	.765			YMRP	2.549	IN.			
△	.883			ZMRP	.572	IN.			
					.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

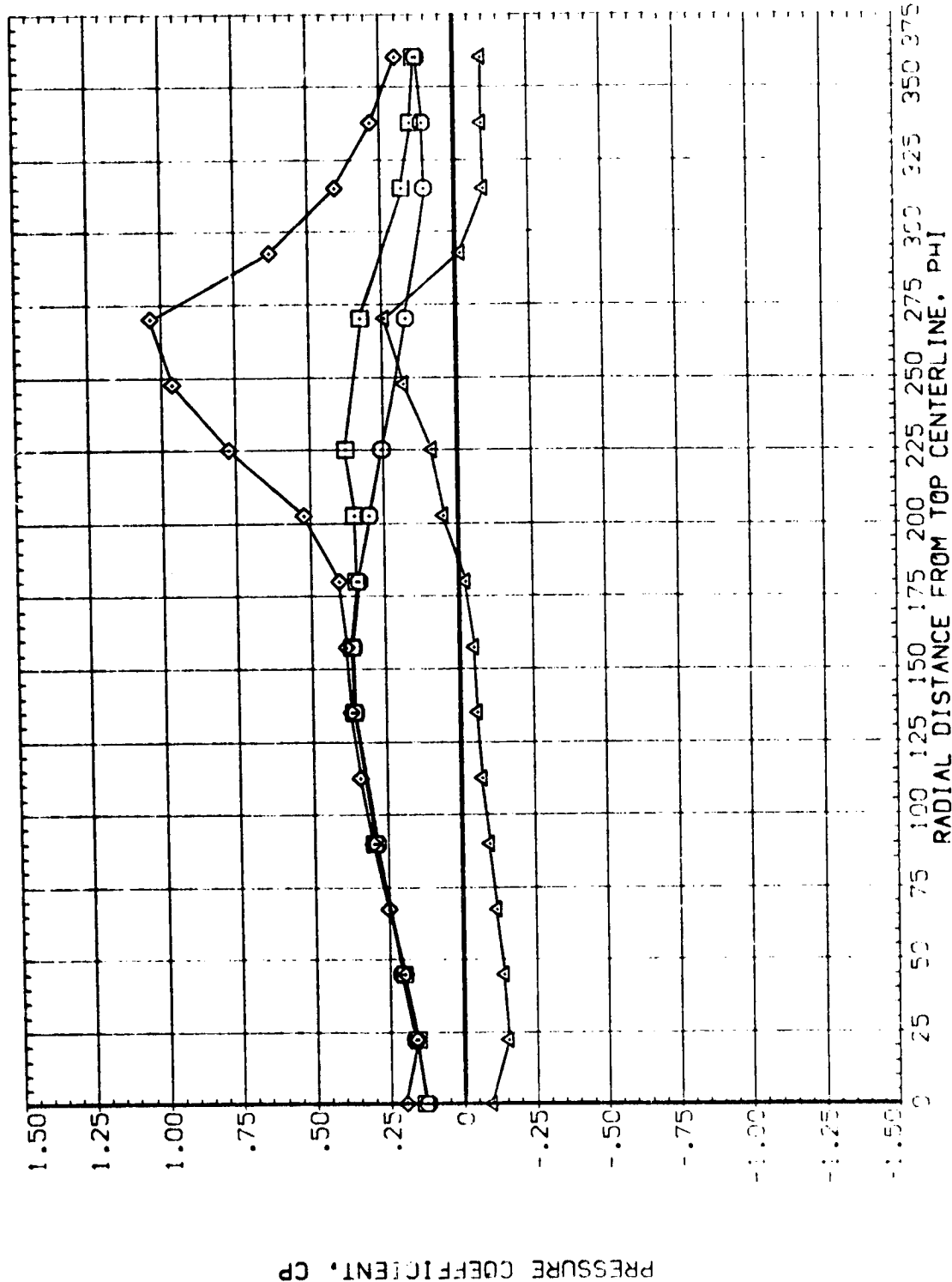
SYMBOL	X/L5	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	50. IN.	ALPHA	CONF 16	90.000
○	.912	4.000	1.250	6.198	5.313	5.313	2.549	IN.	DELTA Z	RUDDER	.000
□	.955			2.972	.972	.972	.000	IN.	X-SRB	ORBITAL	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

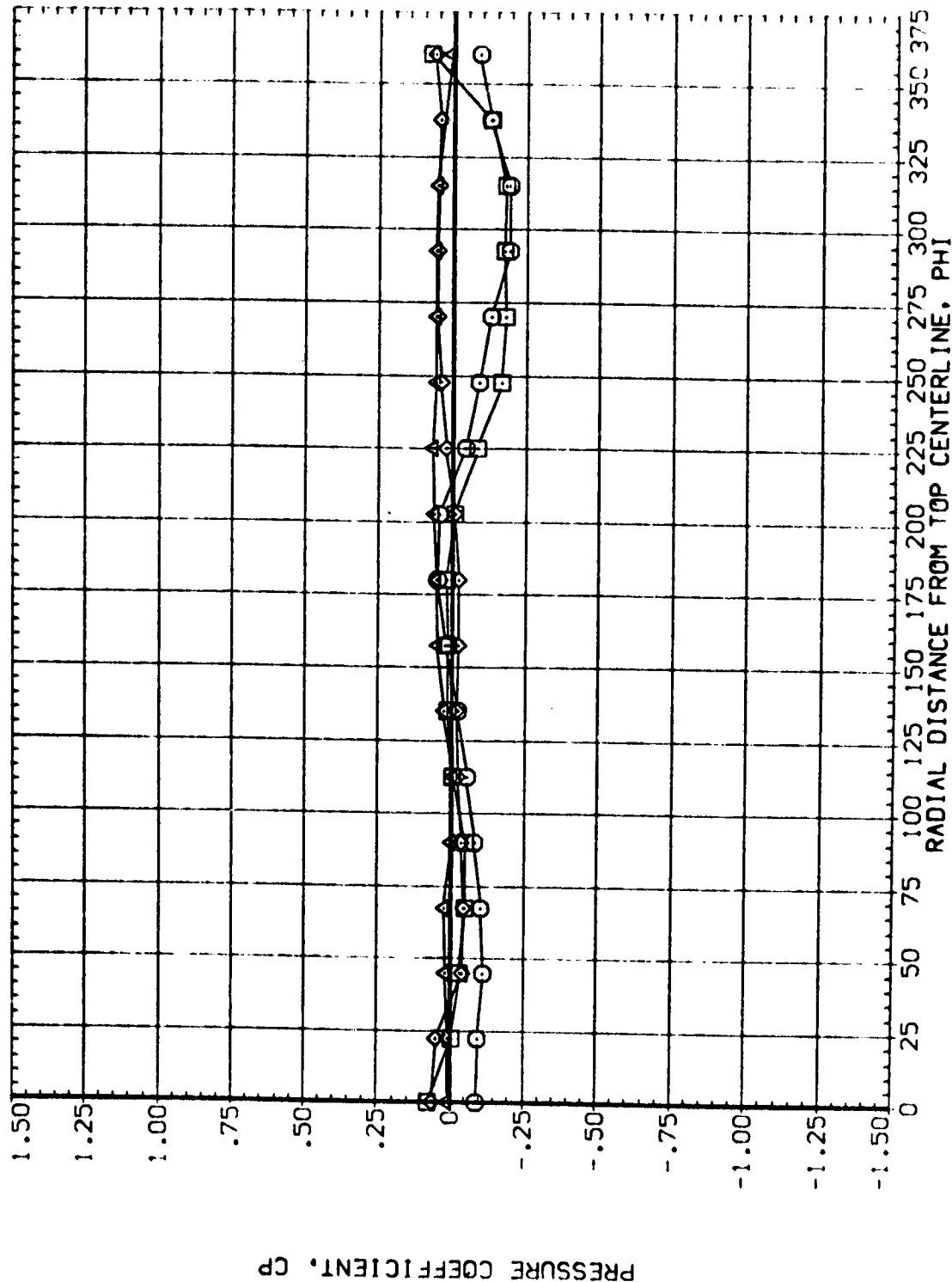
SYMBOL	X/S	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	5.000	CONF IG
○	.043	-4.000	1.960	LREF	5.313	IN.	DELTA Z	.140	RUDDER
□	.072			BREF	5.313	IN.	X-SRB	.000	ORBITAL
◇	.101			VMRP	2.549	IN.			
△	.116			ZMRP	.972	IN.			
					.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	5.000	CONF1G	90.000	
○	.152	-4.000	1.960	LREF	5.313	IN.	DELTAZ	.140	RUDER	.000	
□	.224			BREF	5.313	IN.	X-SRB	.000	CRBINC	.500	
◇	.332			XMRP	2.549	IN.					
△	.440			YMRP	.972	IN.					
				ZMRP	.000	IN.					



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL
 ○
 □
 ◇
 △

X/LS
 .549
 .657
 .765
 .883

BETA
 -4.000

MACH
 1.960

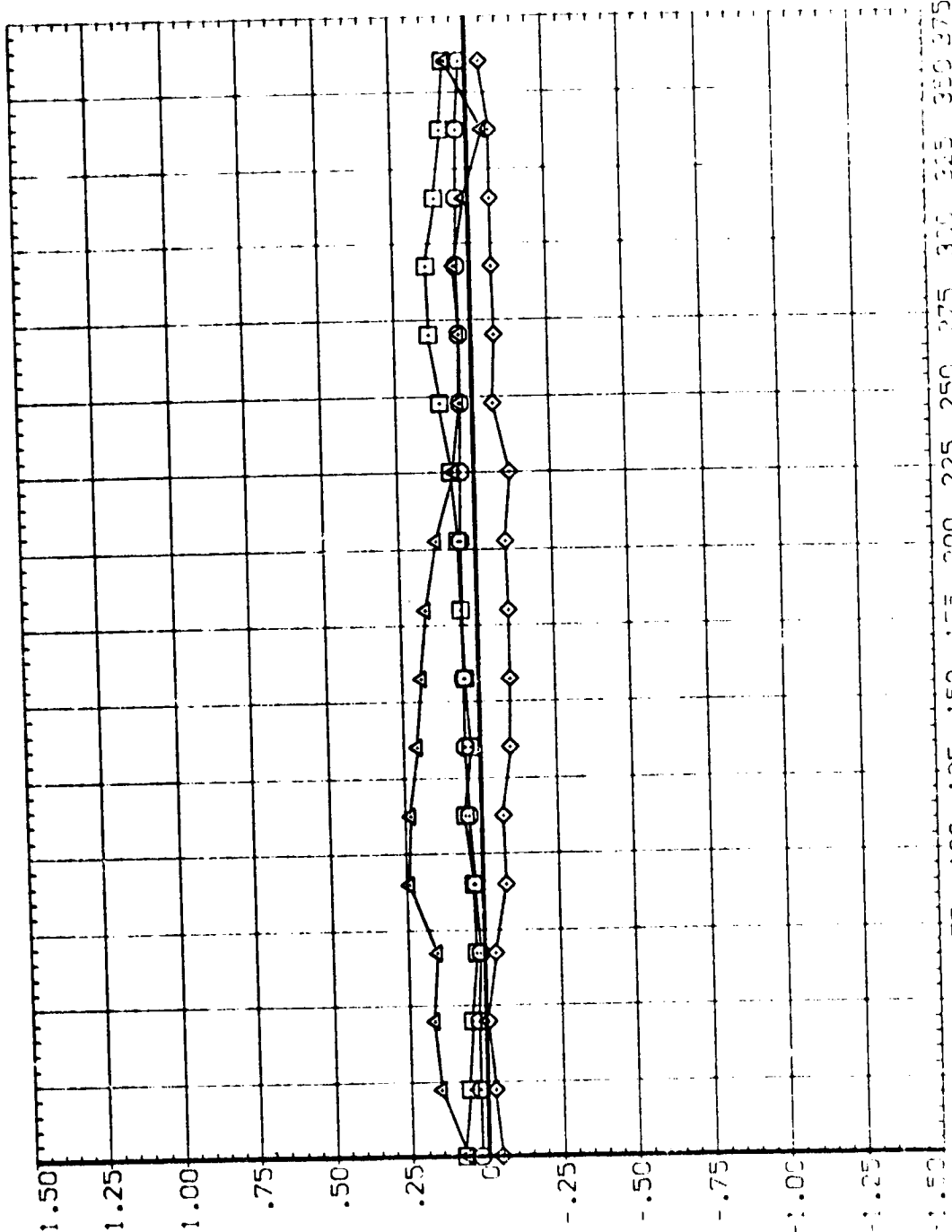
REFERENCE DATA
 SREF 6.198
 LREF 5.313
 GREF 5.313
 XPRP 2.549
 YPRP .972
 ZPRP .000

ALPHA
 DELTAZ
 X-SRB

PARAMETRIC VALUES
 5.000
 .140
 .000

CONF IG
 RUDDER
 ORBING

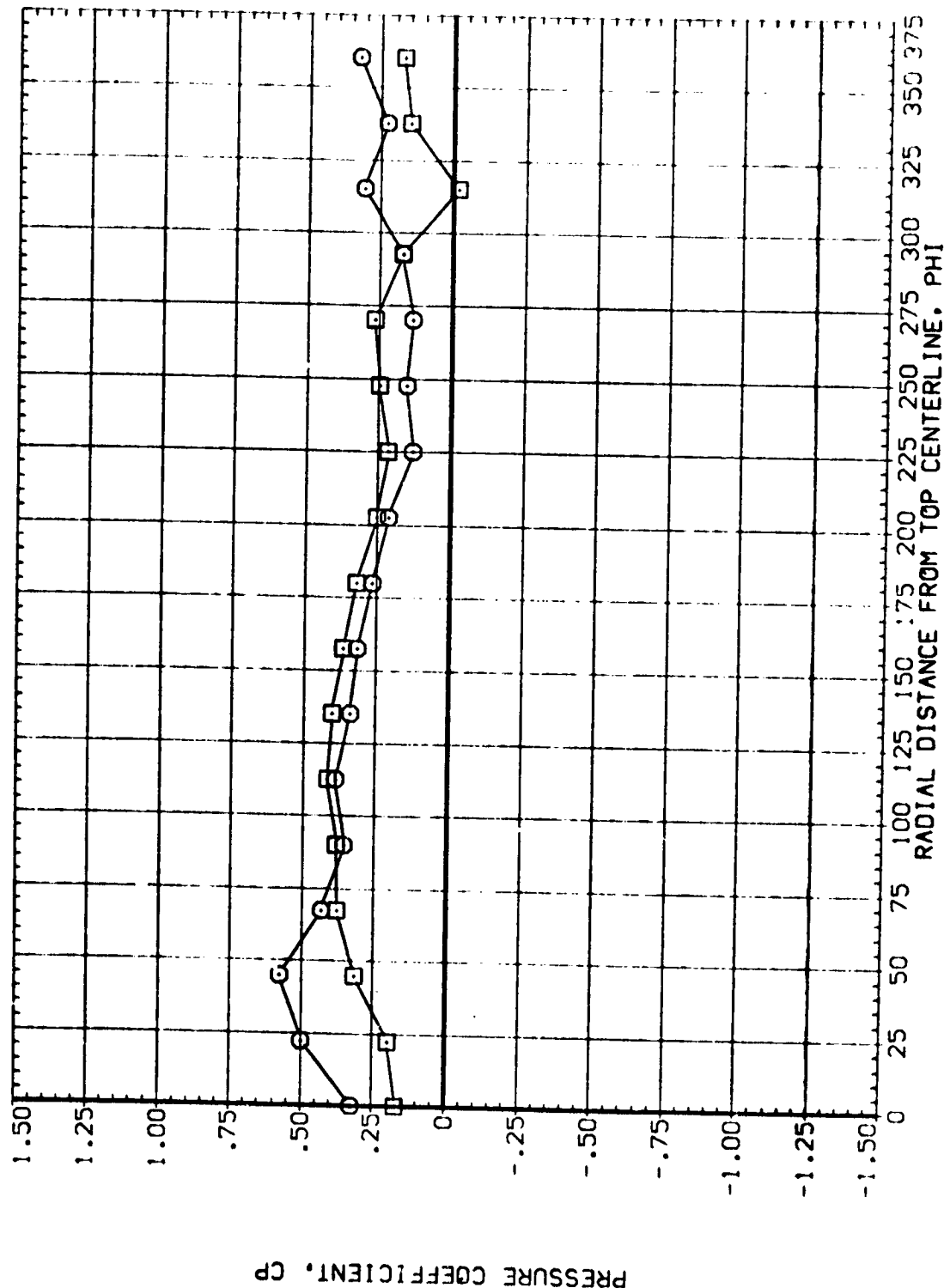
90.000
 .000
 .500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

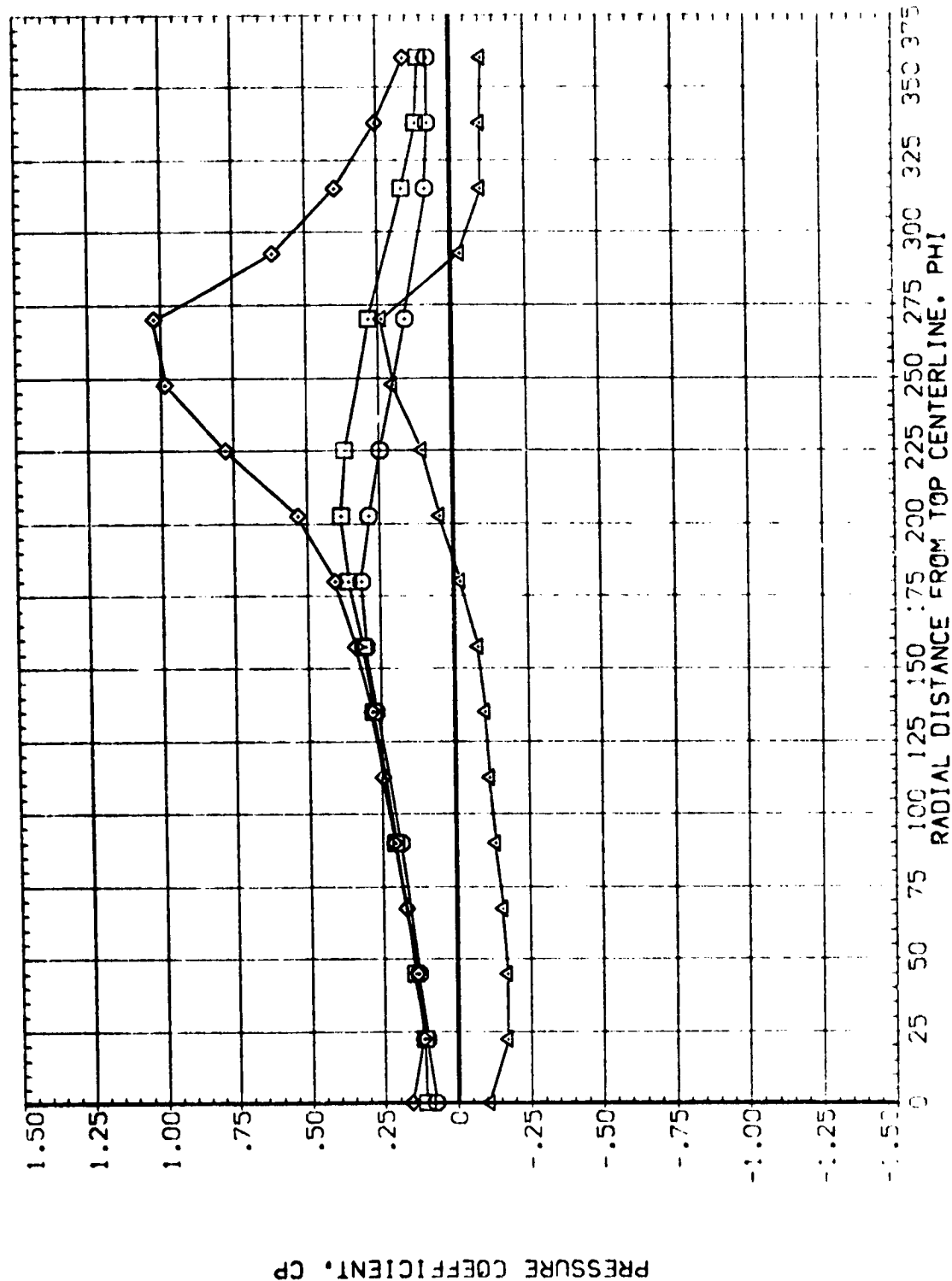
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	SG. IN.	IN.
○	.912	-4.000	1.960	6.198	5.313	5.313	2.549	.972	.000	50.000	CONF IG
□	.955									.14C	RLODER
										.000	SRB
										.000	SRB INC
										.500	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

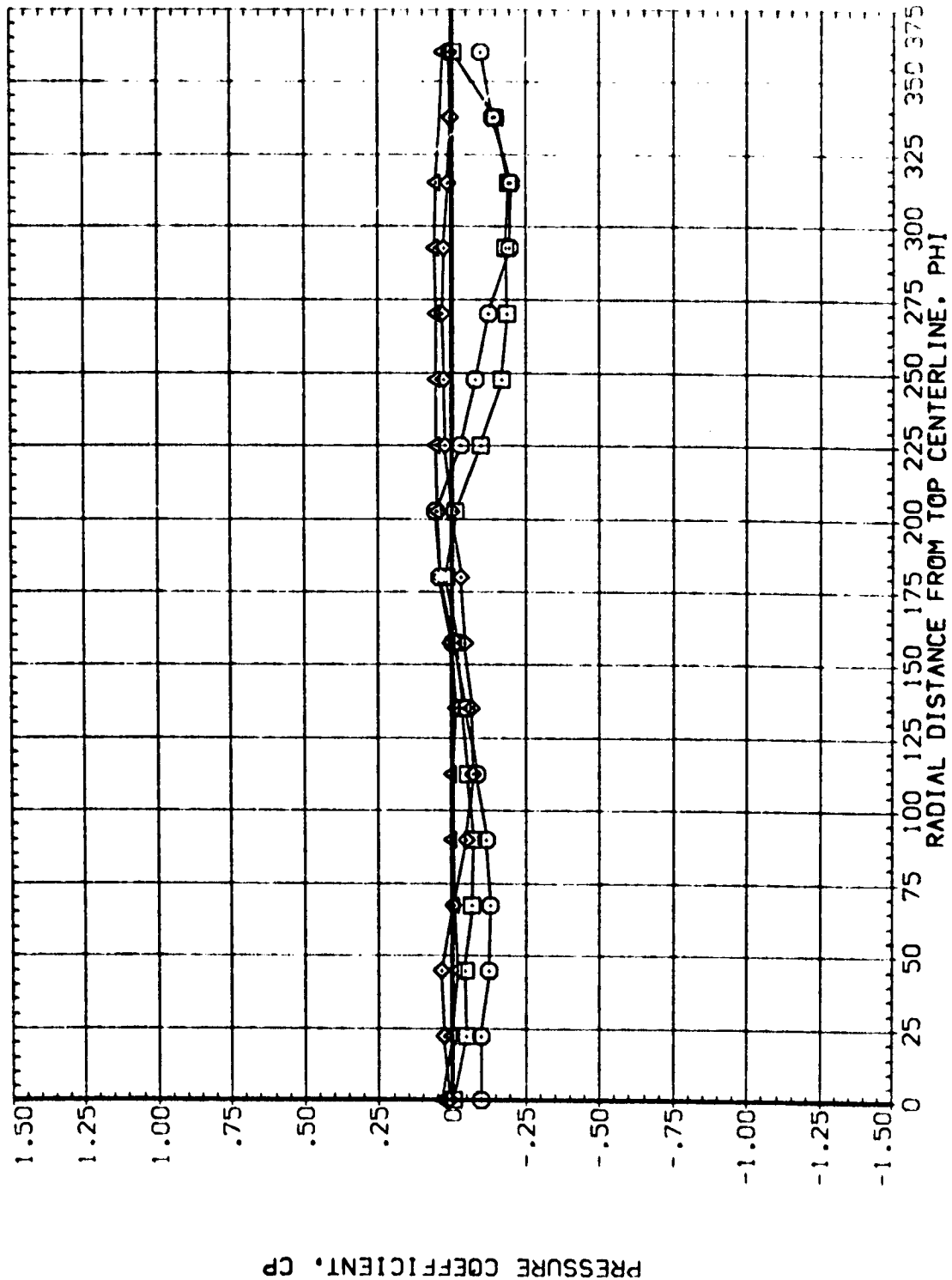
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SO. IN.	ALPHA	CONF IG	RUDDER	
○	.043	.000	1.960	LREF	5.313	DELTA Z	5.000	.140	50.000
□	.072			BREF	5.313	X-SRB	.000	.000	.000
◇	.101			YMRP	2.549				.500
△	.116			ZMRP	.972				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(IA32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

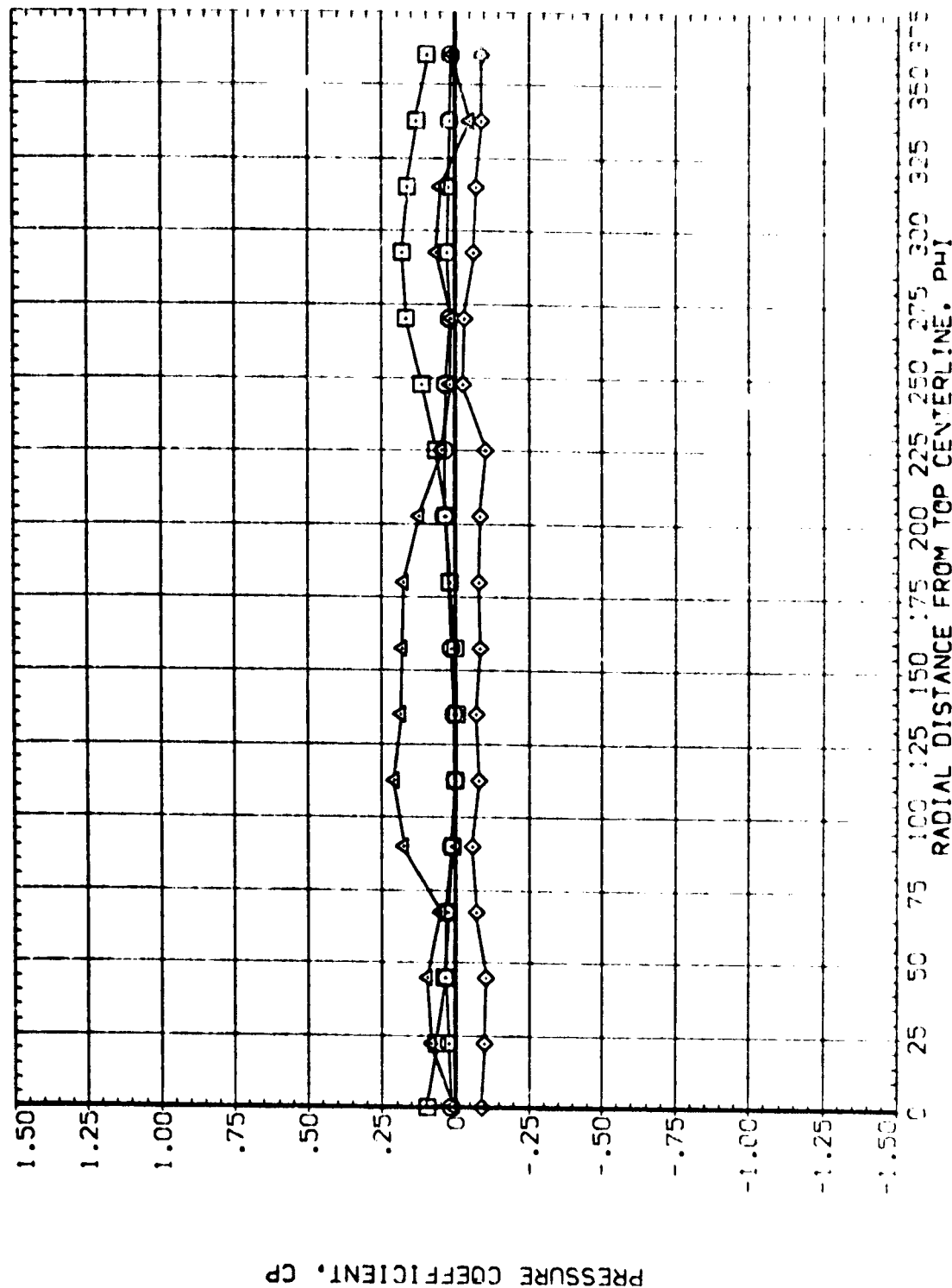
SYMBOL	X/L	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
◇	.152	.000	1.960	SREF 6.198	5.000
□	.224			LREF 5.313	.140
◇	.332			BREF 2.549	.000
△	.440			XMRP .972	.500
				ZMRP .000	
					CONF IG
					RUDDER
					ORBITAL



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	5.198	50. IN.	ALPHA	5.000	CONFIG
□	.549	.000	1.980	LREF	5.313	IN.	DELTAZ	.140	RUDER
◇	.657			BREF	5.313	IN.	X-SRB	.000	ORBITAL
△	.765			YMRP	2.549	IN.			
	.883			ZMRP	.972	IN.			
					.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

SYMBOL

NS
.912
.955

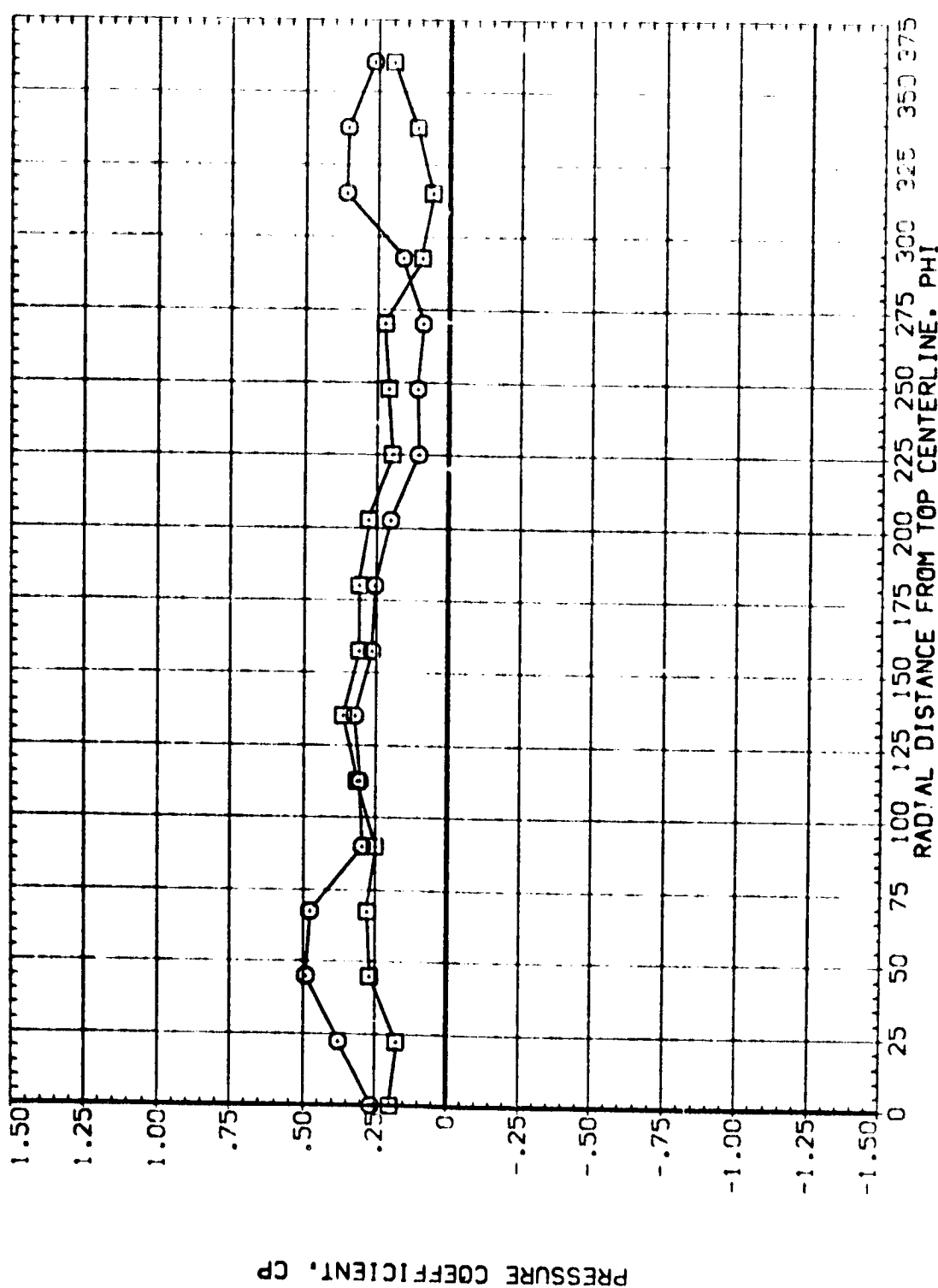
096.1 000.
MCM V13E

REF
SREF
LREF
BREF
XMRP
YMRP
ZMRP

DATA
6.198
5.313
5.313
2.549
.972
.000

ALPHA
DELTA Z
X-SRB

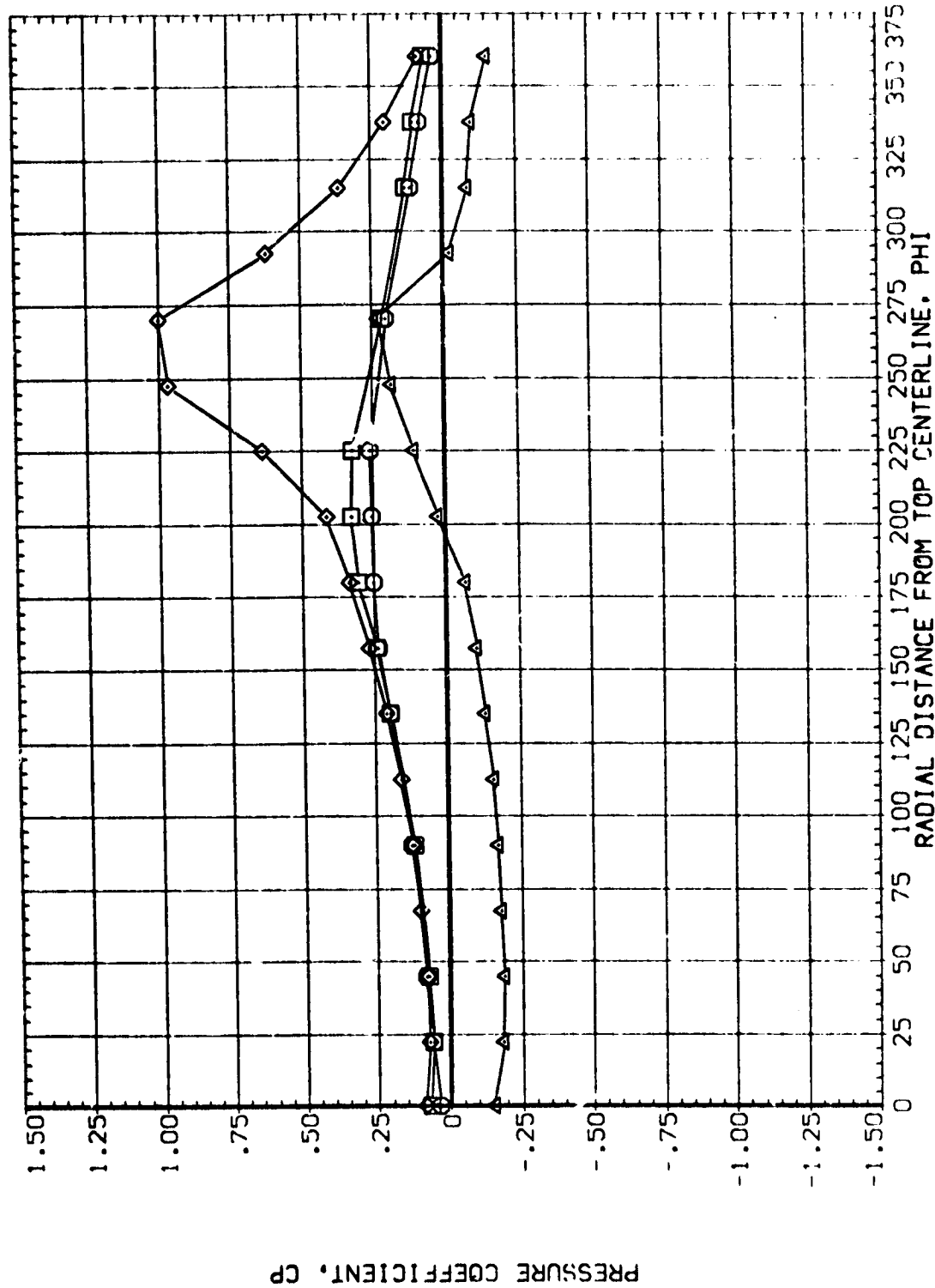
PARAMETRIC VALUES	
5.000	CONFIS
.140	RUDER
.000	398INC



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 C3

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL	X/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
□	.043	4.000	1.960	SREF 6.198	5.000 CONF16
◇	.072			LREF 5.313	.140 RUDDER
◇	.101			BREF 5.313	.020 ORBINC
△	.116			XMRP 2.549	
				YMRP .972	
				ZMRP .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

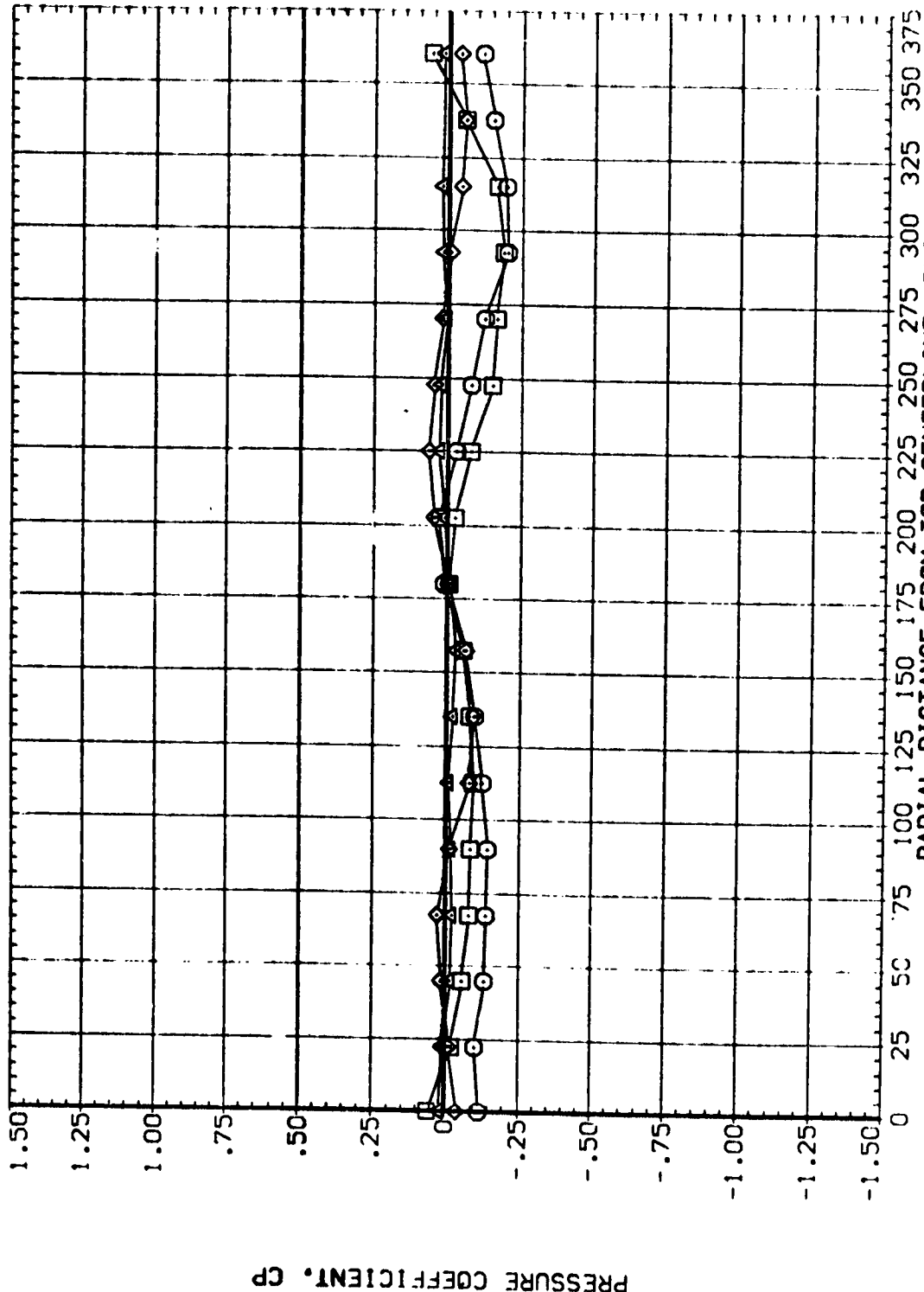
SYMBOL
 ○
 □
 ◇
 △

X/LS .152
 .224
 .332
 .440

BETA 4.000
 MACH 1.960

REFERENCE DATA
 SREF 6.198
 LREF 5.313
 BREF 5.313
 YPRP 2.549
 ZPRP .972

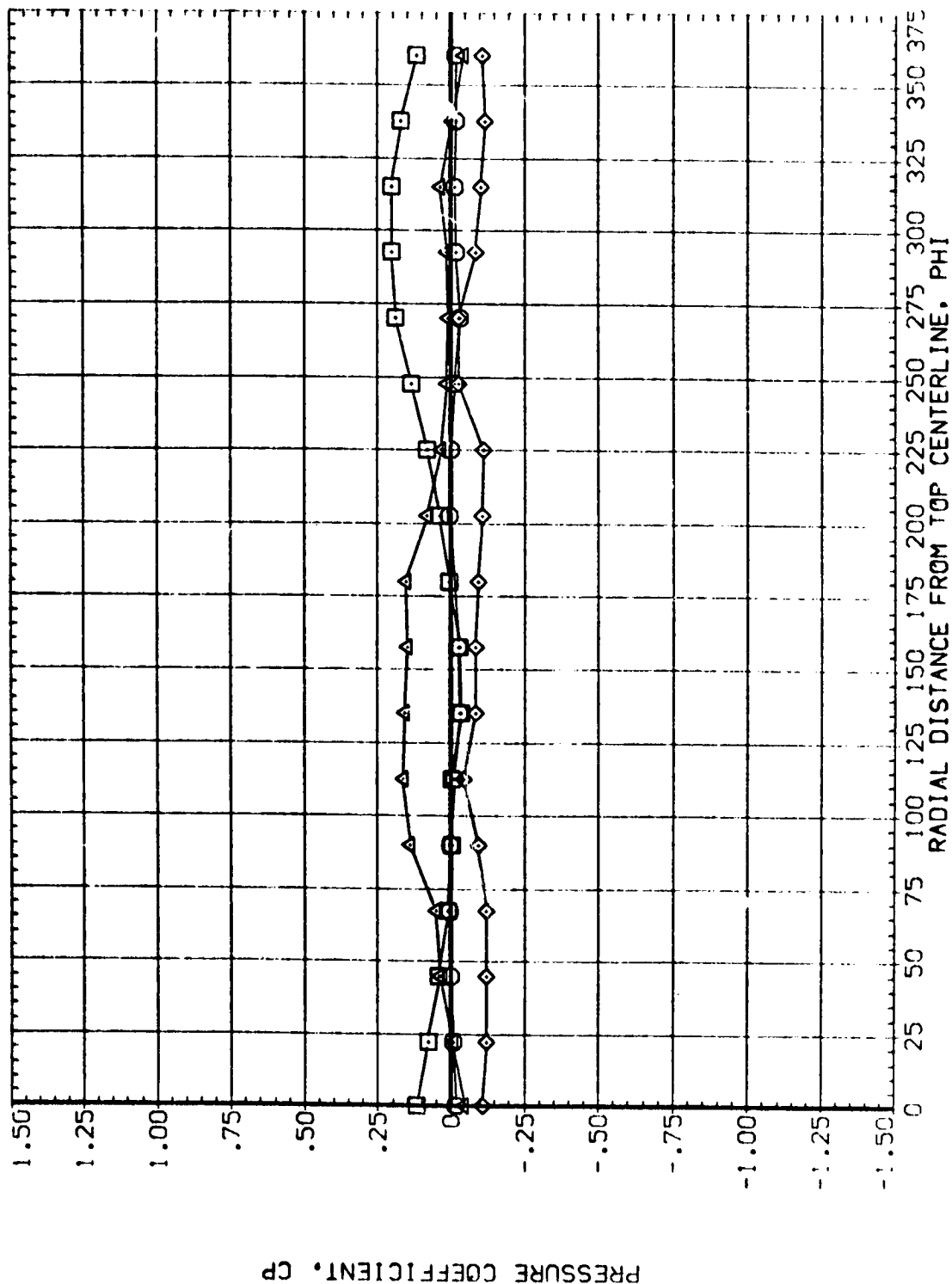
PARAMETRIC VALUES
 5.000
 .140
 .000
 50.000
 .000
 .500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

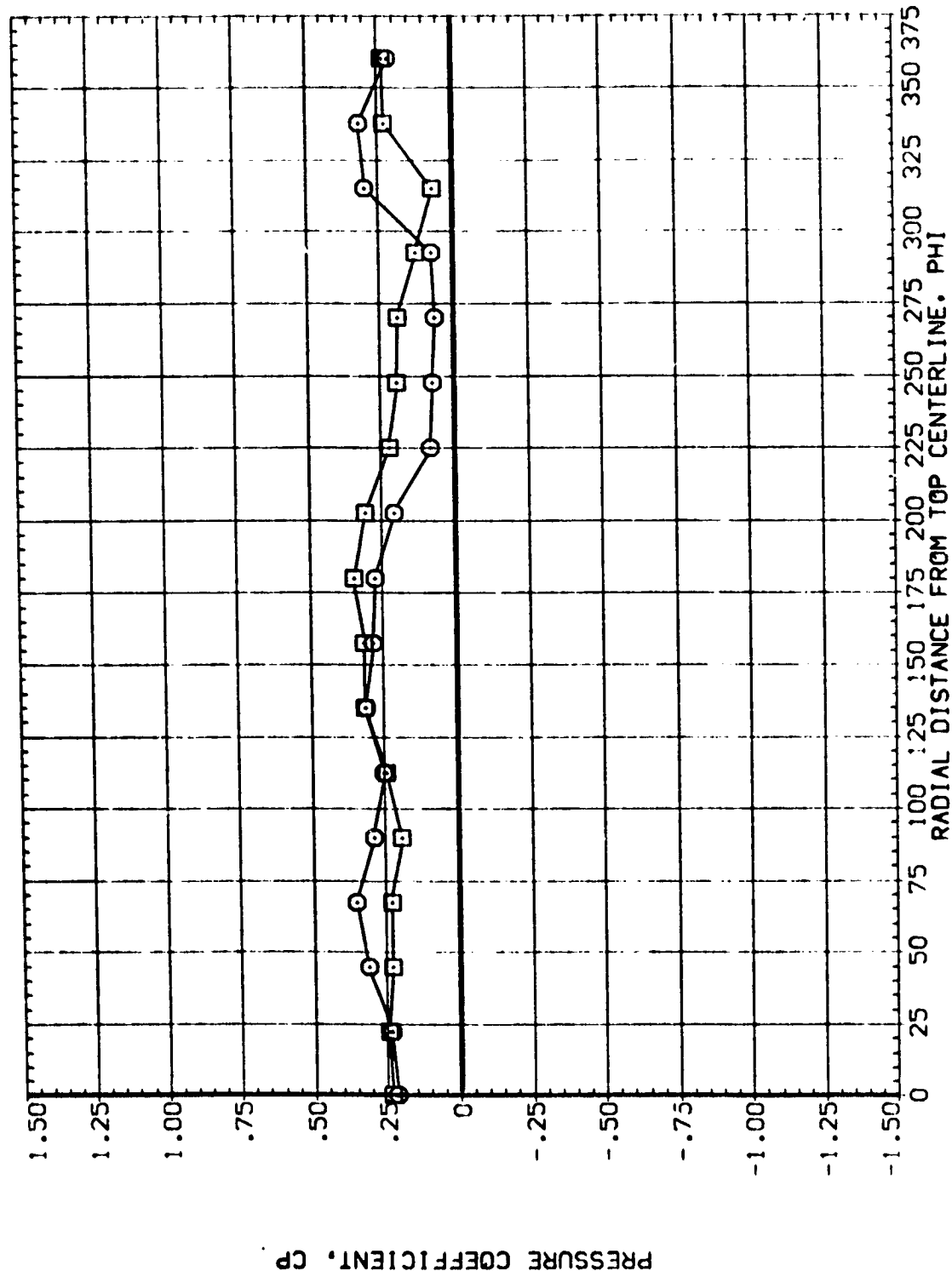
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
○	.549	4.000	1.960	SREF	6.198	ALPHA	5.000
□	.657			LREF	5.313	DELTA Z	.140
◇	.765			BREF	5.313	RUDDER	.000
△	.883			XMRP	2.549	X-SRB	.000
				YMRP	.972	ORBIT INC	.500
				ZMRP	.000		



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

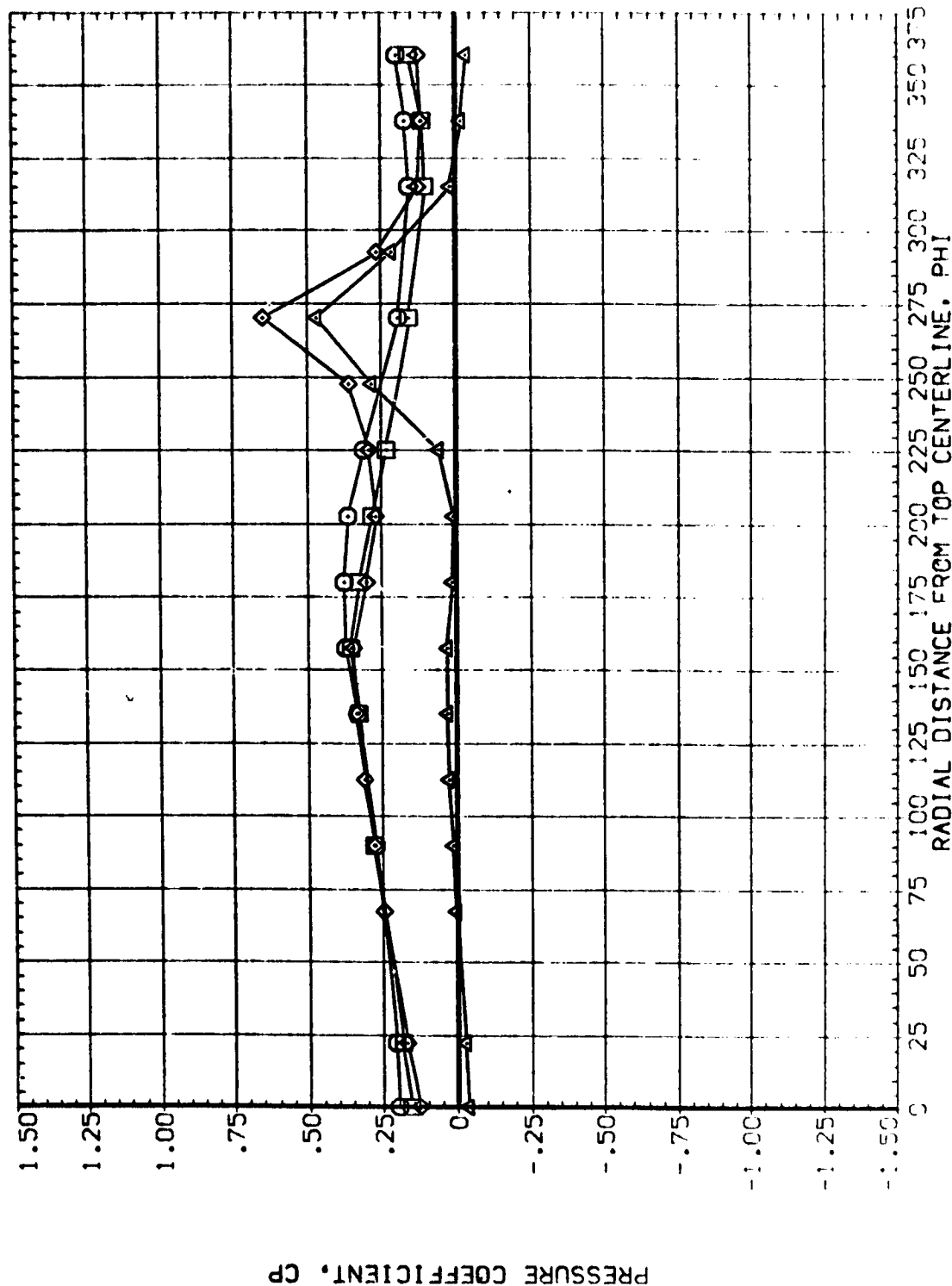
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	ALPHA	5.000	CONF IG	90.000
○	.912	4.000	1.960	LREF	5.313	DELTA Z	.140 <th>RUDDER</th> <td>.000</td>	RUDDER	.000
□	.955			BREF	5.313	X-SRB	.300 <th>DRB INC</th> <td>.500</td>	DRB INC	.500
				XMRP	2.549				
				YMRP	.972				
				ZMRP	.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

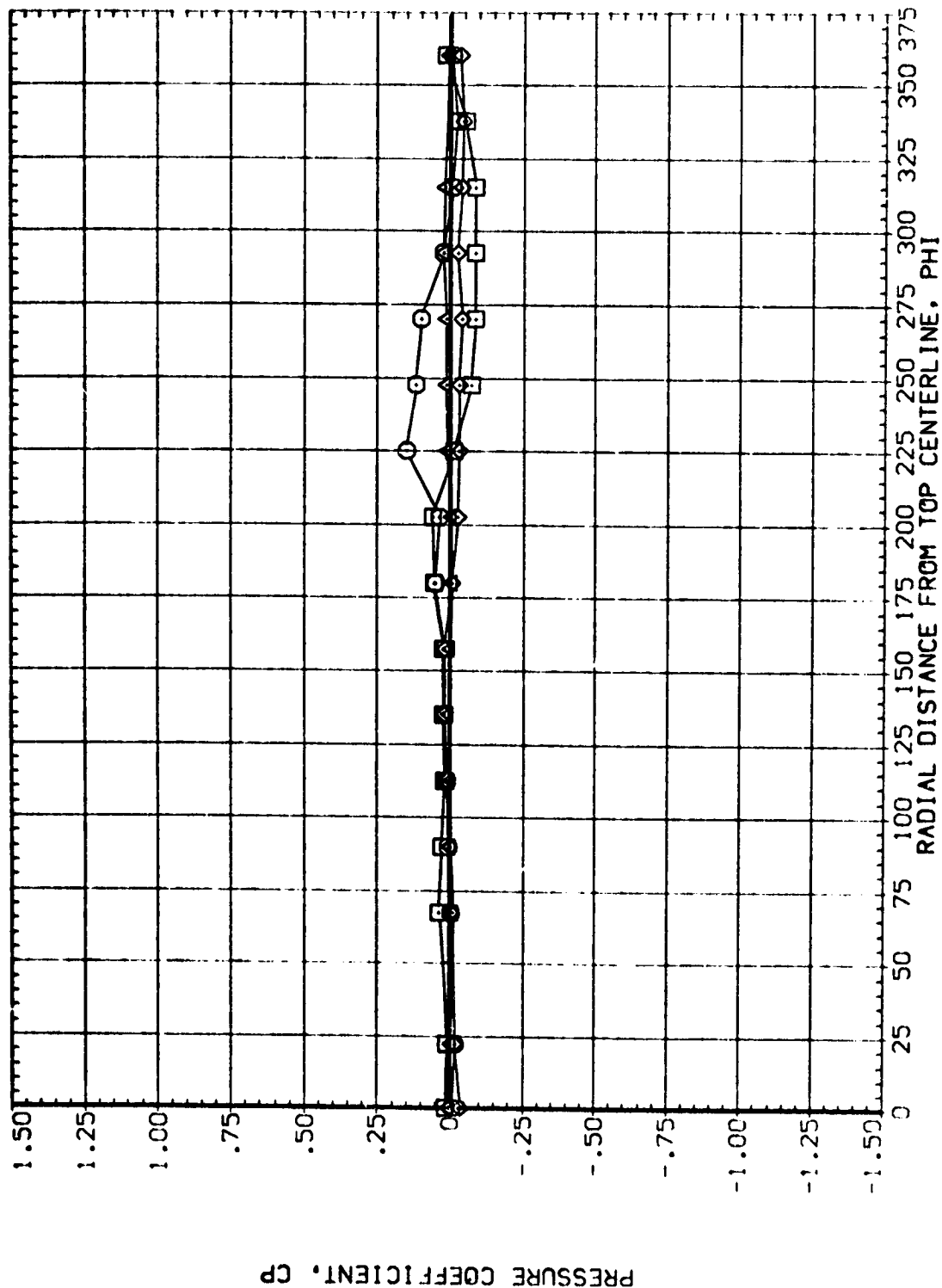
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	SREF	XPRP	50. IN.	ALPHA	DELTA Z	CONF IG
○	.043	-4.000	3.480	6.198	5.313	5.313	2.549	IN.	5.000	.140	RUDDER
□	.072						.972	IN.	.000	.000	ORBING
◇	.101						.000	IN.			
△	.116						.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

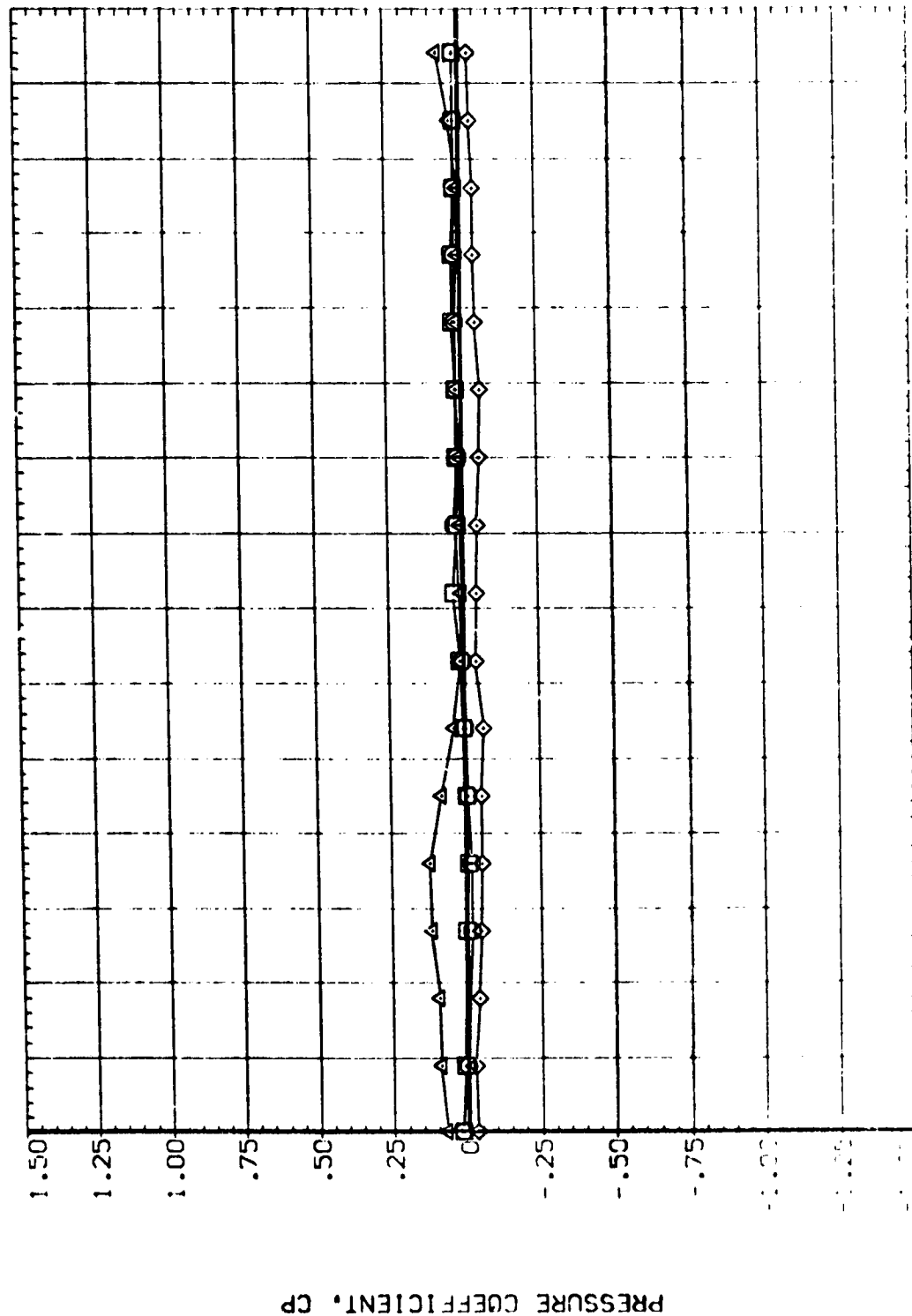
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SO IN.	ALPHA	CONF IG	
○	.152	-4.000	3.480	6.198	5.313	5.313	2.549	IN.	DELTA Z	5.000	COMF IG
□	.224							IN.	X-SRB	.140	RUDDER
◇	.332							IN.		.000	ORBITAL
△	.440							IN.		.500	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	5.000	CONF IG
□	.549	-4.000	3.480	LREF	5.313	IN.	DELTA Z	.140	RUDDER
◇	.657			BREF	5.313	IN.	X-SRB	.000	ORBITAL
△	.765			YMRP	2.549	IN.			
	.883			ZMRP	.972	IN.			
					.000	IN.			

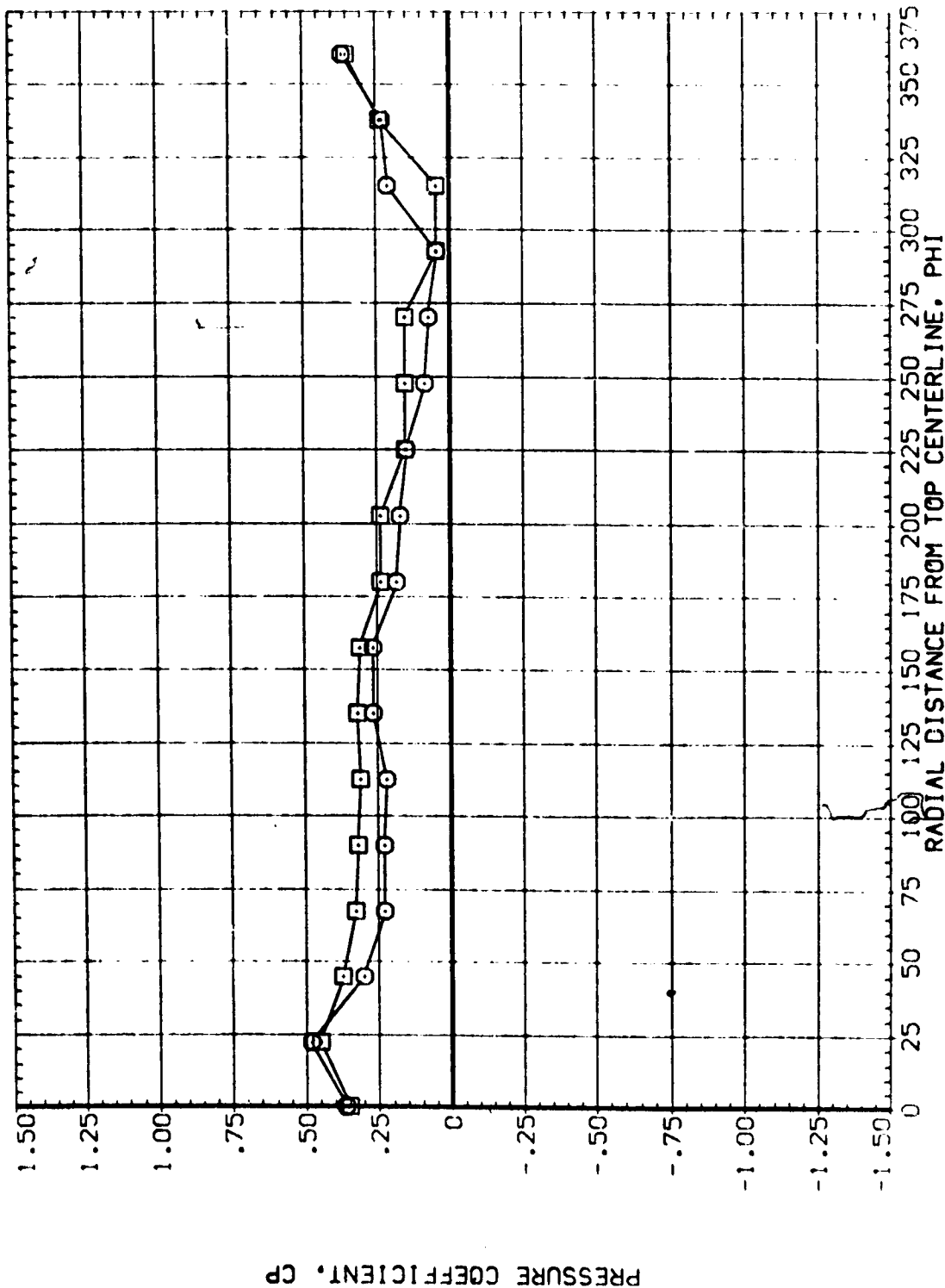


25 50 75 100 125 150 175 200 225 250 275 300 325 350 375

RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

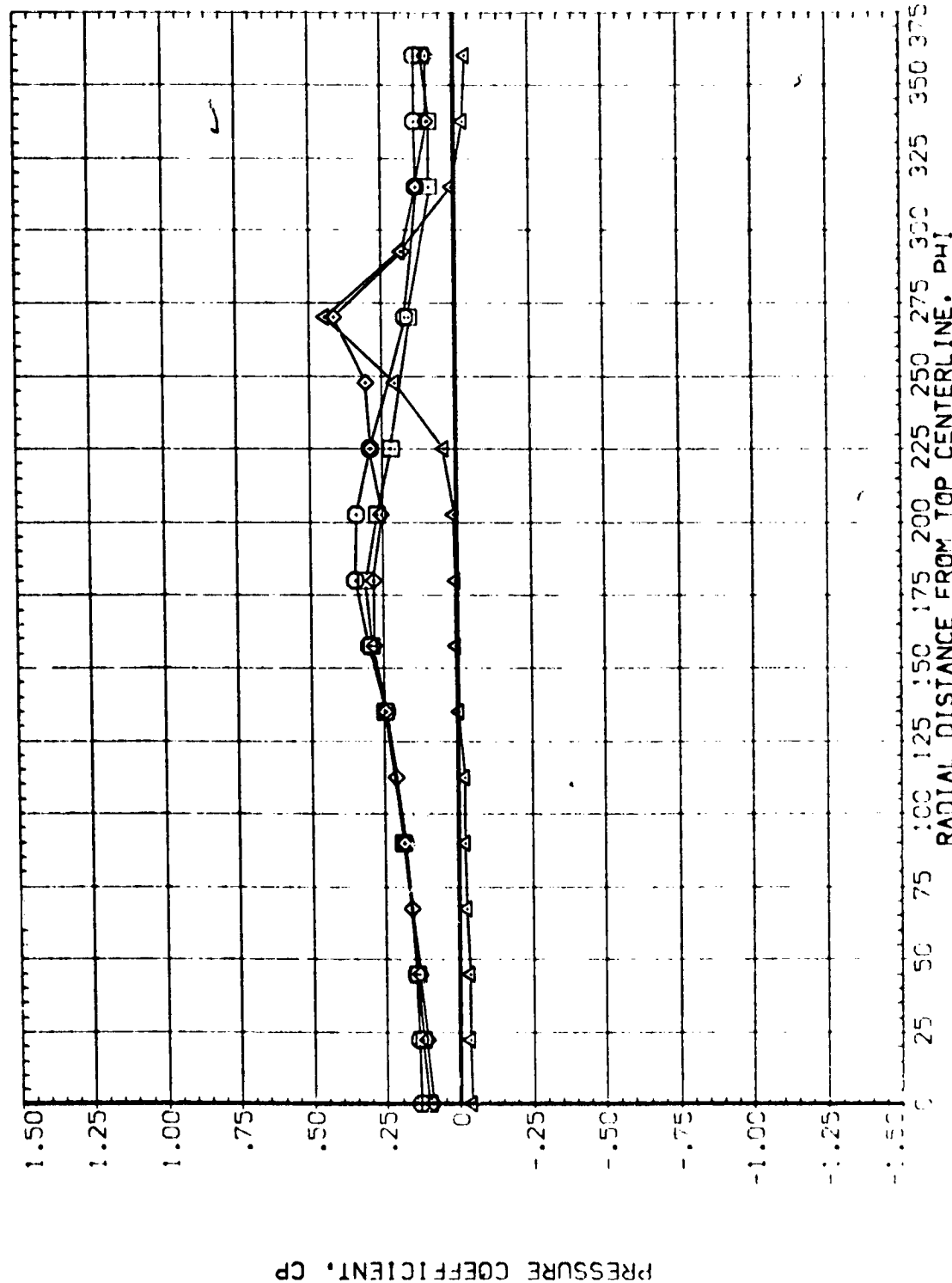
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	X-MRP	SO IN.	ALPHA	CONF IG	
□	.912	-4.000	3.480	6.198	5.313	5.313	2.549	IN.	DELTA Z	.140	RUDDER
○	.535			2.972				IN.	X-SRB	.000	SRB IN
				.000				IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

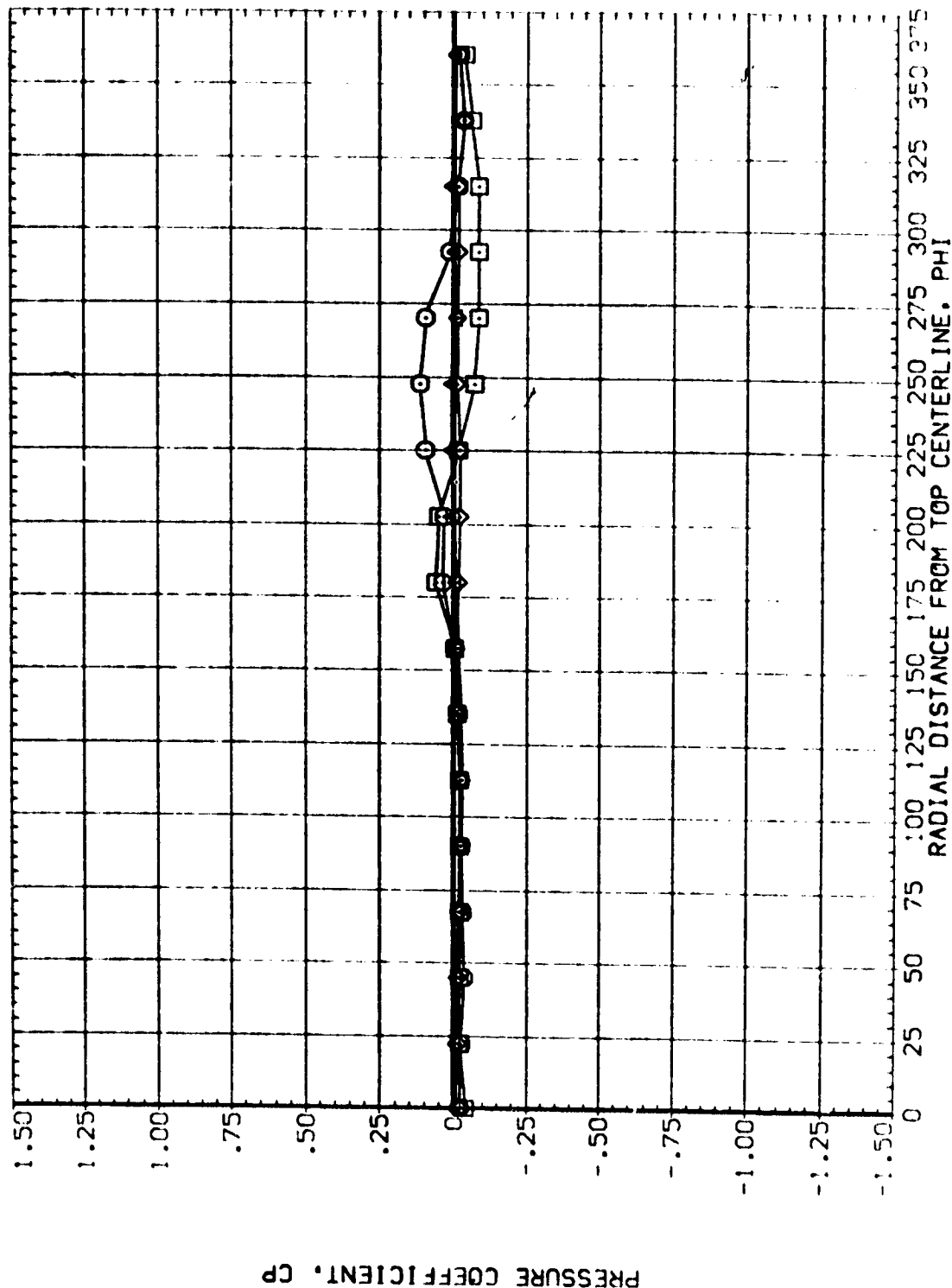
SYMBOL	REFERENCE DATA			PARAMETRIC VALUES		
	X/L	BETA	MACH	ALPHA	CONFIG	
□	.043	.000	3.480	DELTA Z	5.000	50.000
◇	.072			X-SRB	.140	.000
△	.101				.000	.000
▽	.116				.000	.000



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

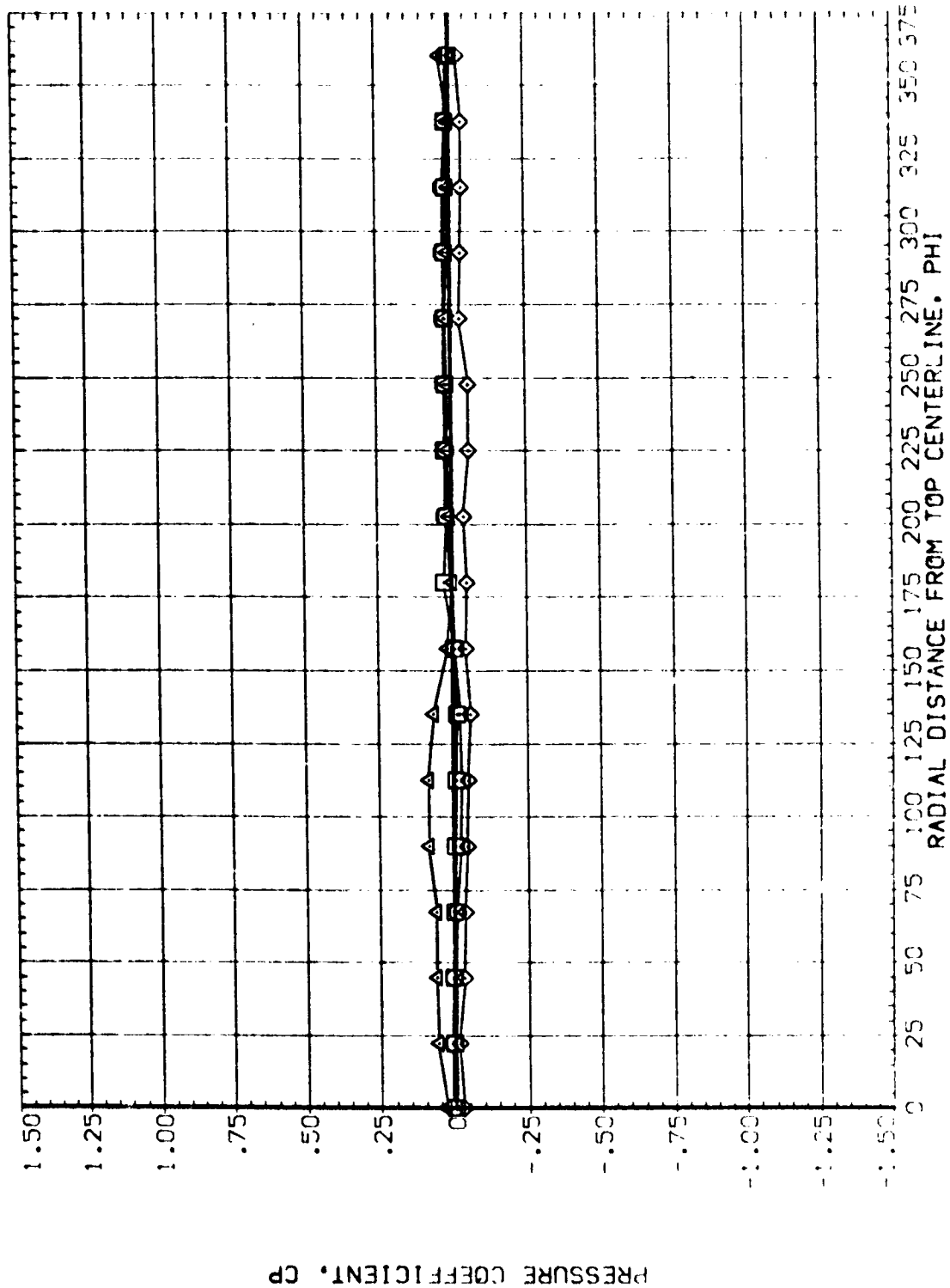
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.152	.000	3.480	SREF 6.198	50.000
□	.224			LREF 5.313	CONF IG
◇	.332			BREF 5.313	.140
△	.440			XMRP 2.549	RUDDER
				YMRP .972	.000
				ZMRP .000	ORIGINC
					.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

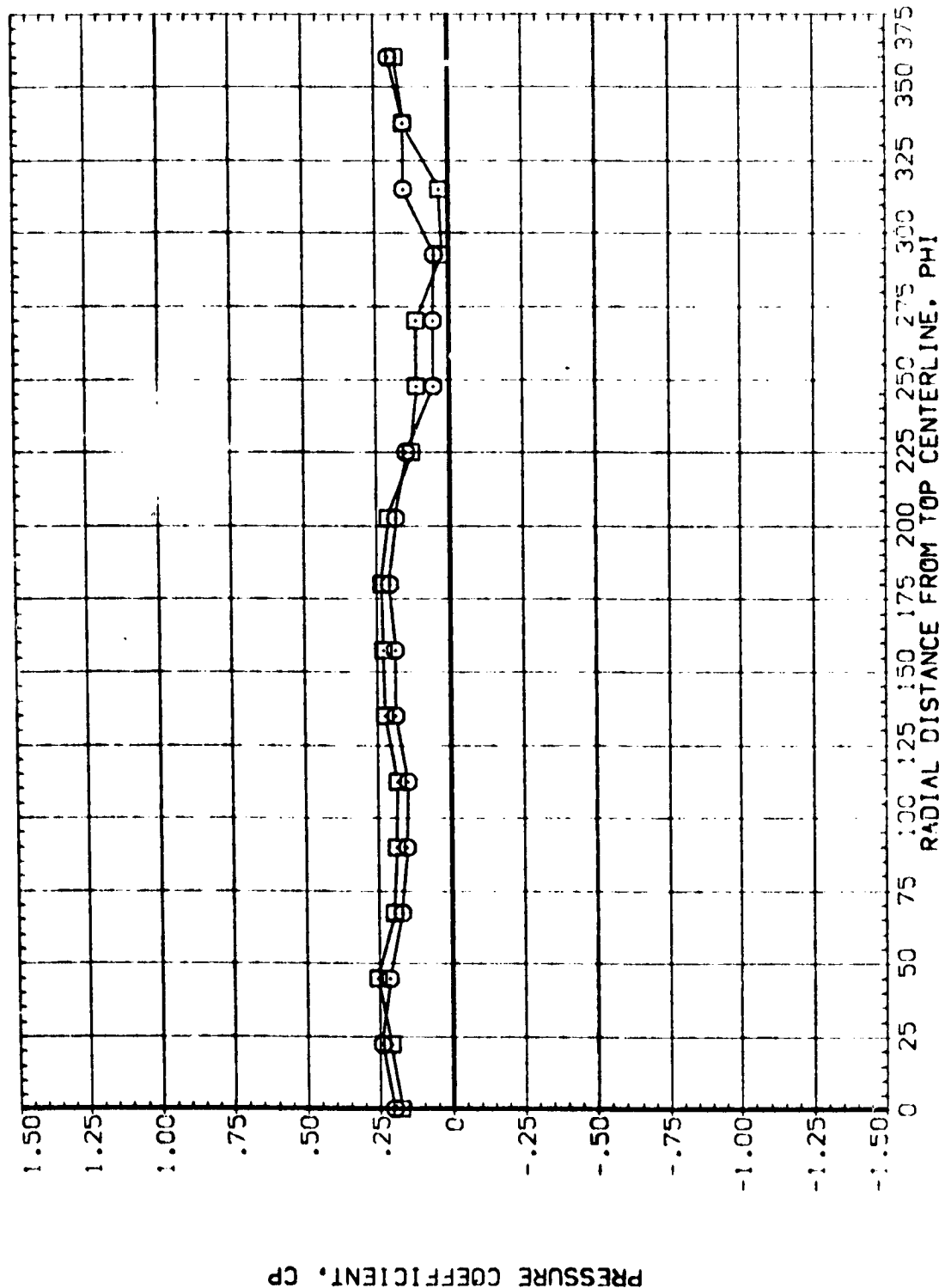
MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SO. IN.	ALPHA	CONFIS	90.000	
○	.549	.000	3.480	LREF	IN.	DELTA Z	.000	RUDDER	.000
□	.657			BREF	IN.	X-SRB	.000	SRB INC	.500
◇	.765			XMRP	IN.				
△	.883			ZMRP	IN.				



MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

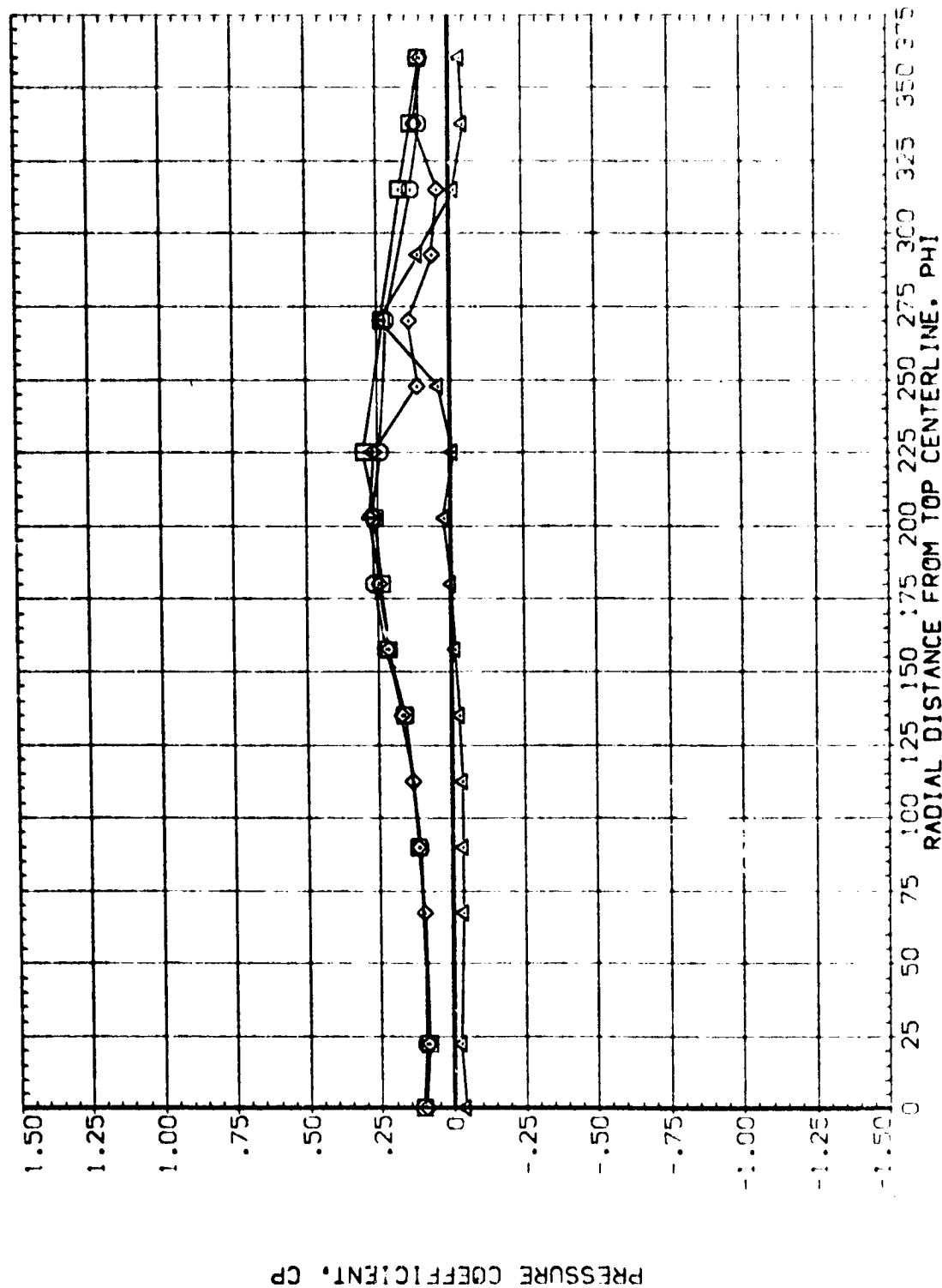
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	X-SP	SO.IN.	ALPHA	CCFTS	90.000
□	.912	.000	3.480	6.198	5.313	5.313	2.549	IN.	DELTAZ	.140	.000
□	.955						.972	IN.	X-SRB	.000	.500
							.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

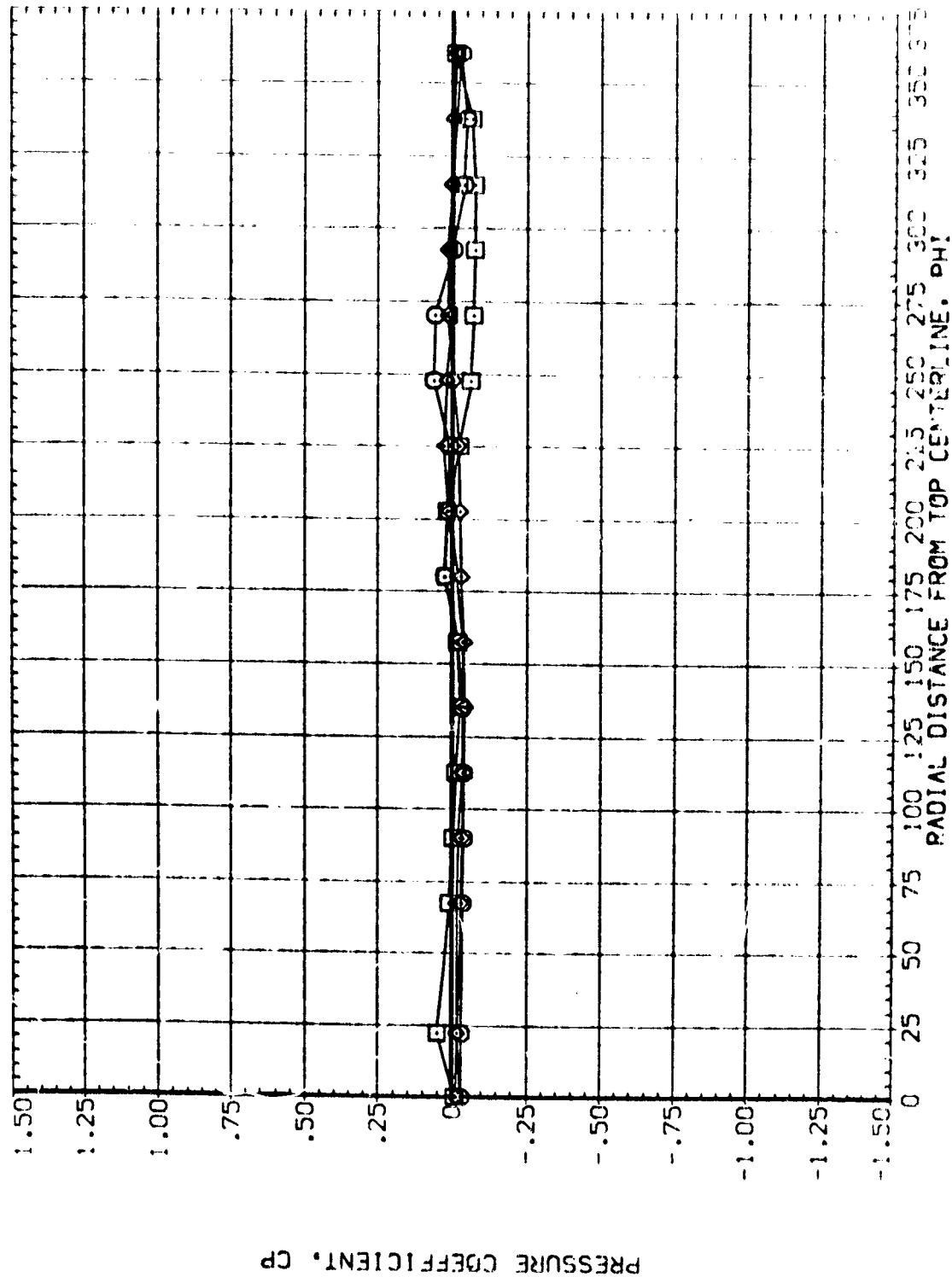
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTA Z
△	.043	4.000	3.480	6.198	5.313	5.313	2.549	.972	.000	5.000	CONF IG
□	.072									.140	RUDDER
◇	.101									.000	ORBIT INC
▽	.116									.500	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

NSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	5.000	CONF TS	90.000	
○	.152	4.000	3.470	LREF	5.313	IN.	DELTA Z	.140	RUCER	.020	
□	.224			BREF	5.313	IN.	X-S98	.000	SRB MC	.500	
◇	.332			XMRP	2.549	IN.					
△	.440			YMRP	.972	IN.					
				Z-MP	.000	IN.					

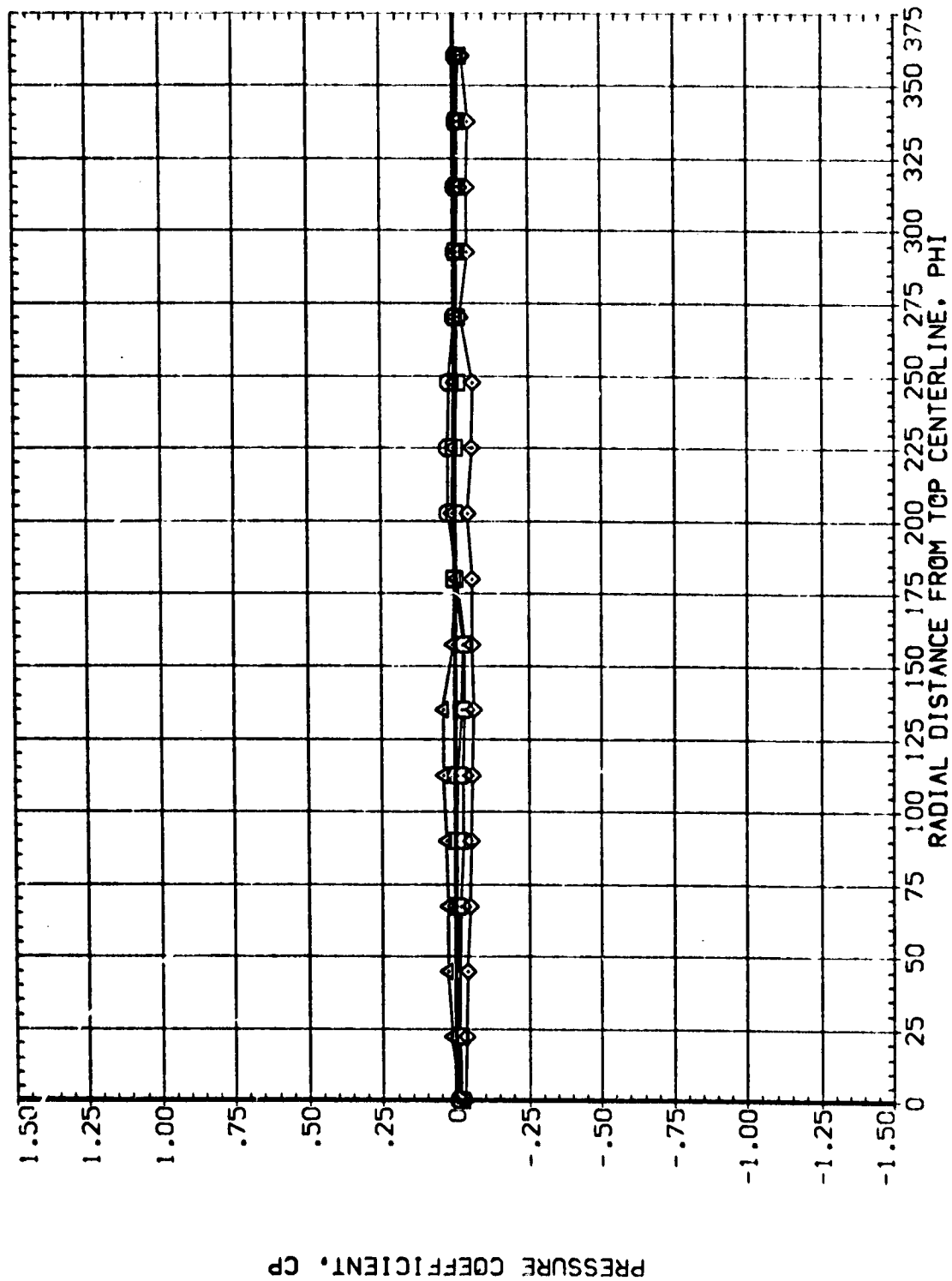


RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

6.7

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82503)

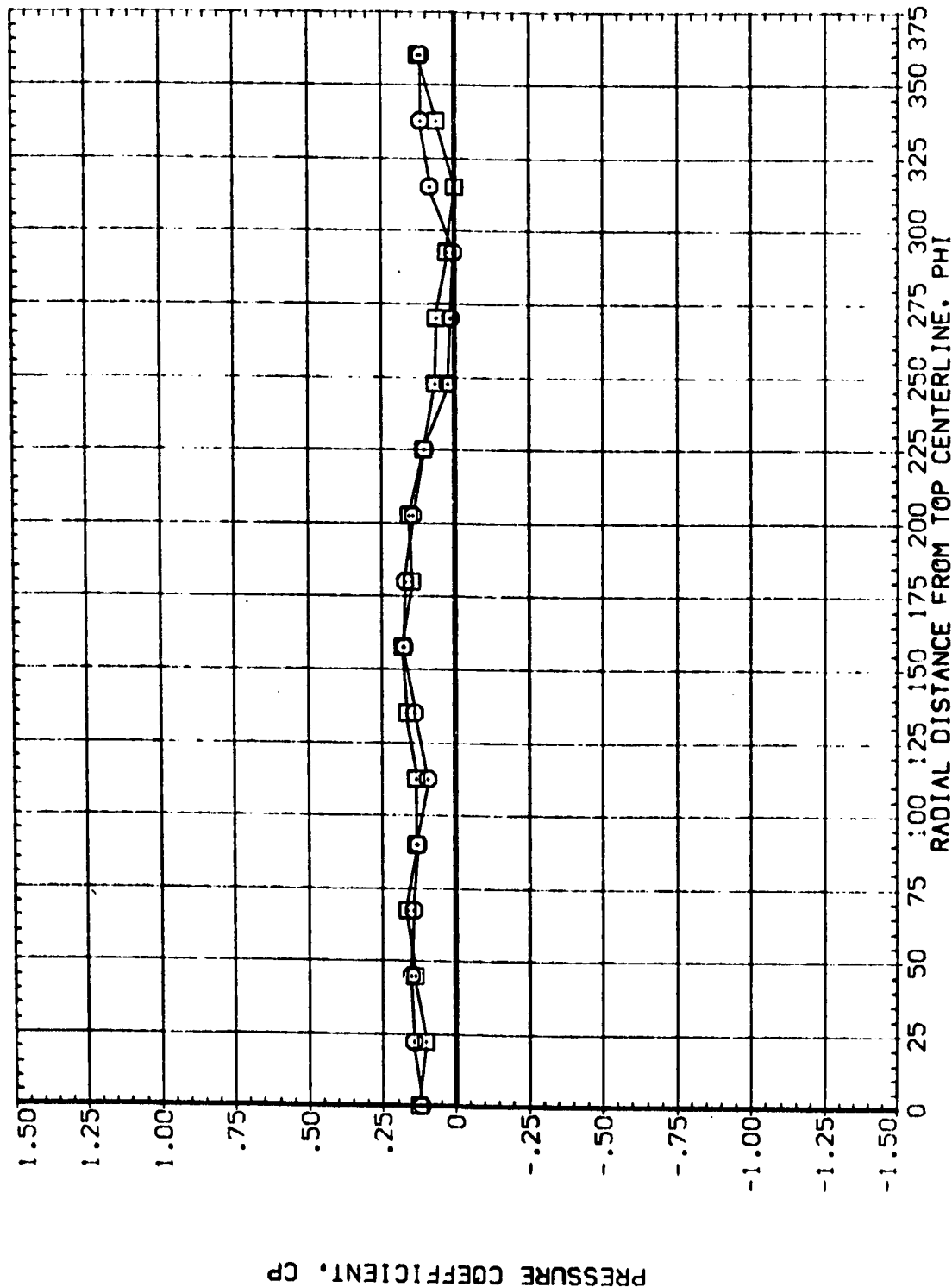
SYMBOL	W/L	BETA	MACH	REFERENCE D.		PARAMETRIC VALUES			
				SRE	6.198	CM	CONF	16	90.000
○	.657	4.000	3.480	LREF	5.313	IN.	RUDDER		.200
□	.765			BREF	2.549	IN.	ORIGIN		.500
◇	.883			XREF	.972	IN.			
▽				ZREF	.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S03)

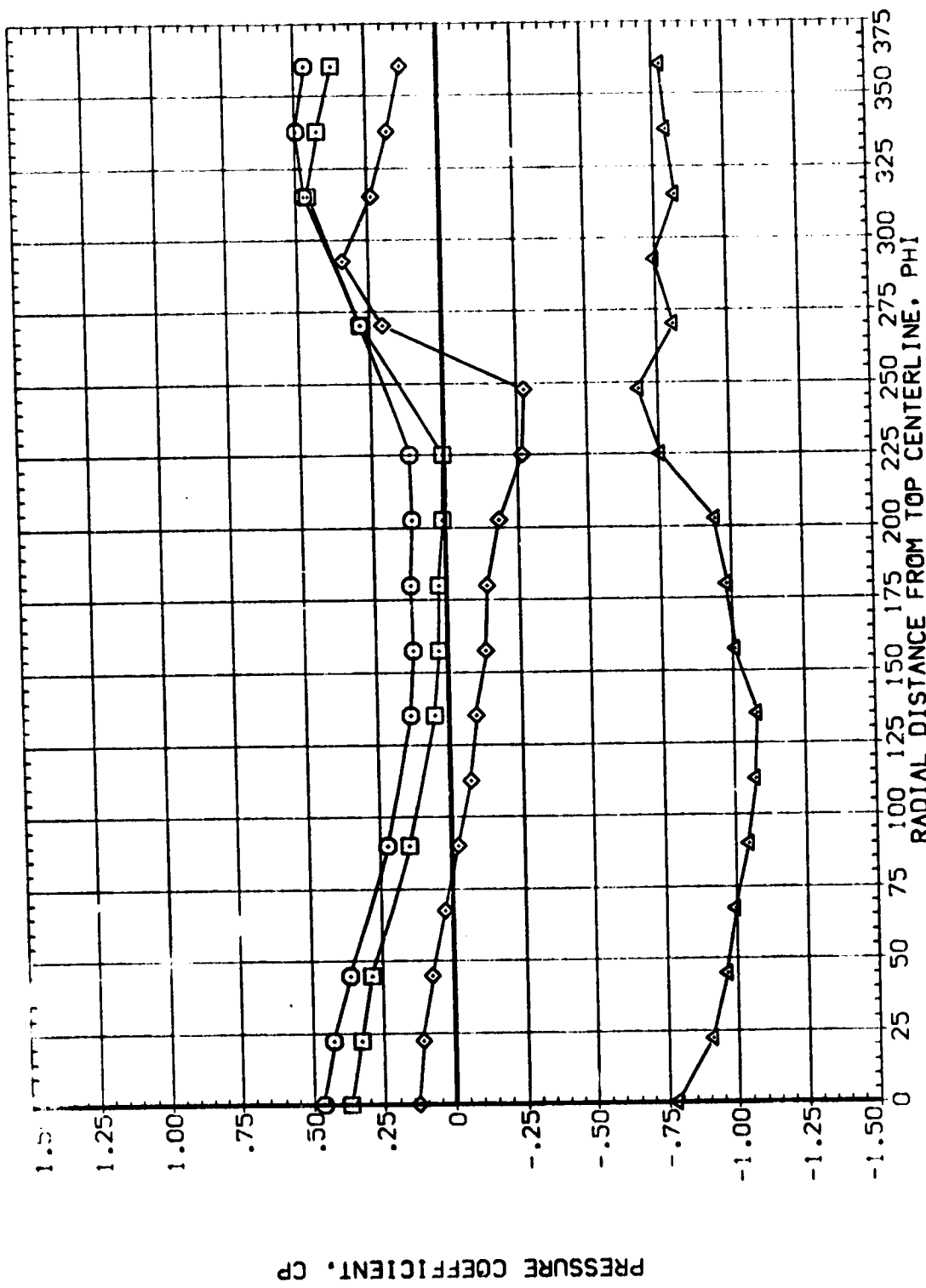
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRD	ALPHA	CONFIG	90.000	.000
□	.912	4.000	3.480	6.198	5.313	5.313	2.549	DELTAZ	.140	RUDER	.000
□	.955						.972	X-SRB	.000	ORBIT	.500
				ZMRD			.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

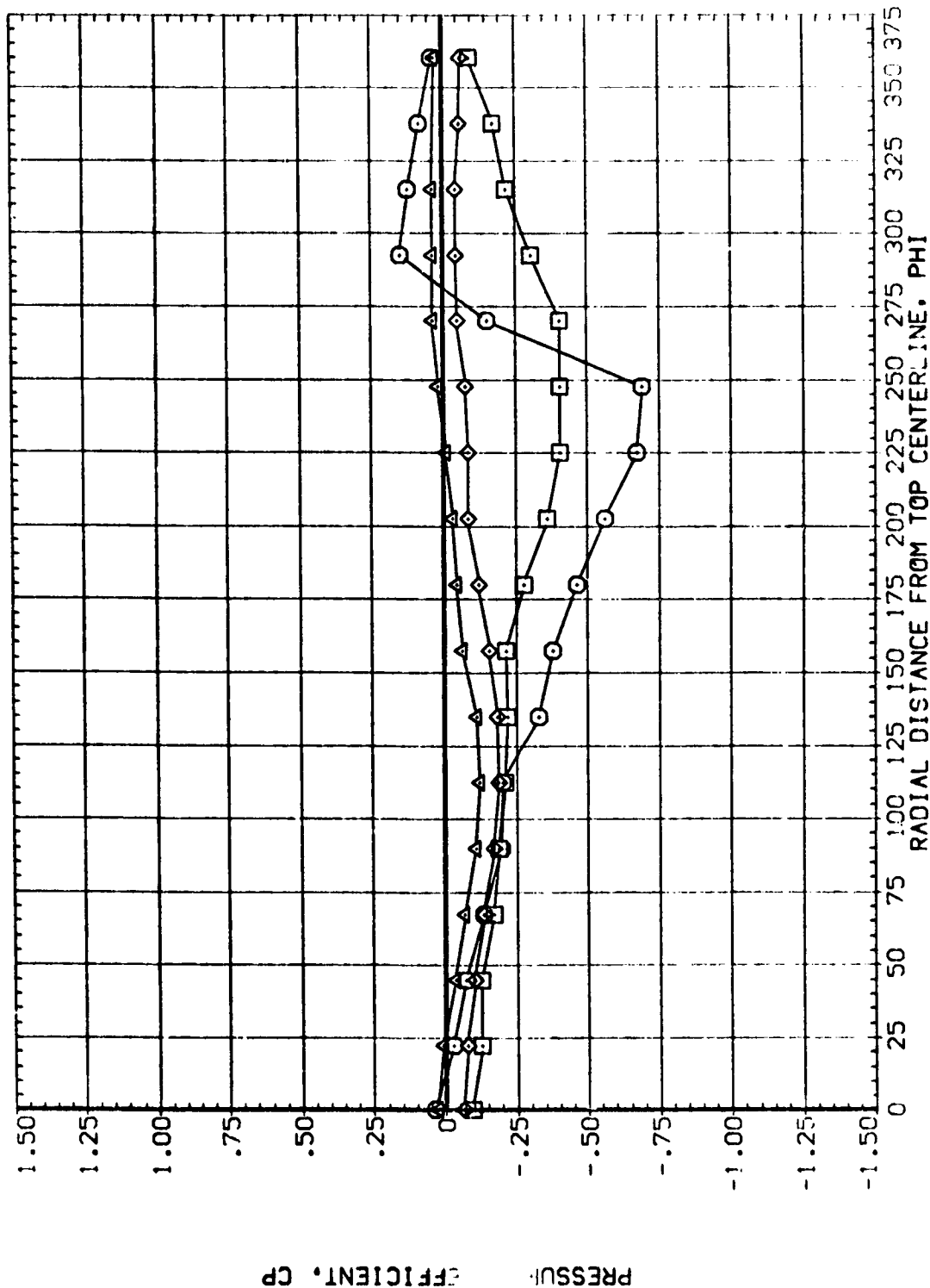
MRFC 5E7(IA32F) T9 S3/2 03 SRM BOOSTER (A82S04)

AL	ALPHA	DELTA	MACH	REFERENCE DATA	PARAMETRIC VALUES
0.000	-5.000	-4.000	.900	SREF 6.198	CONF IG 90.000
	.140			LREF 5.313	RJCTER .000
	.000			BREF 5.313	ORBIT INC .500
				XMRP 2.549	
				YMRP .972	
				ZMRP .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

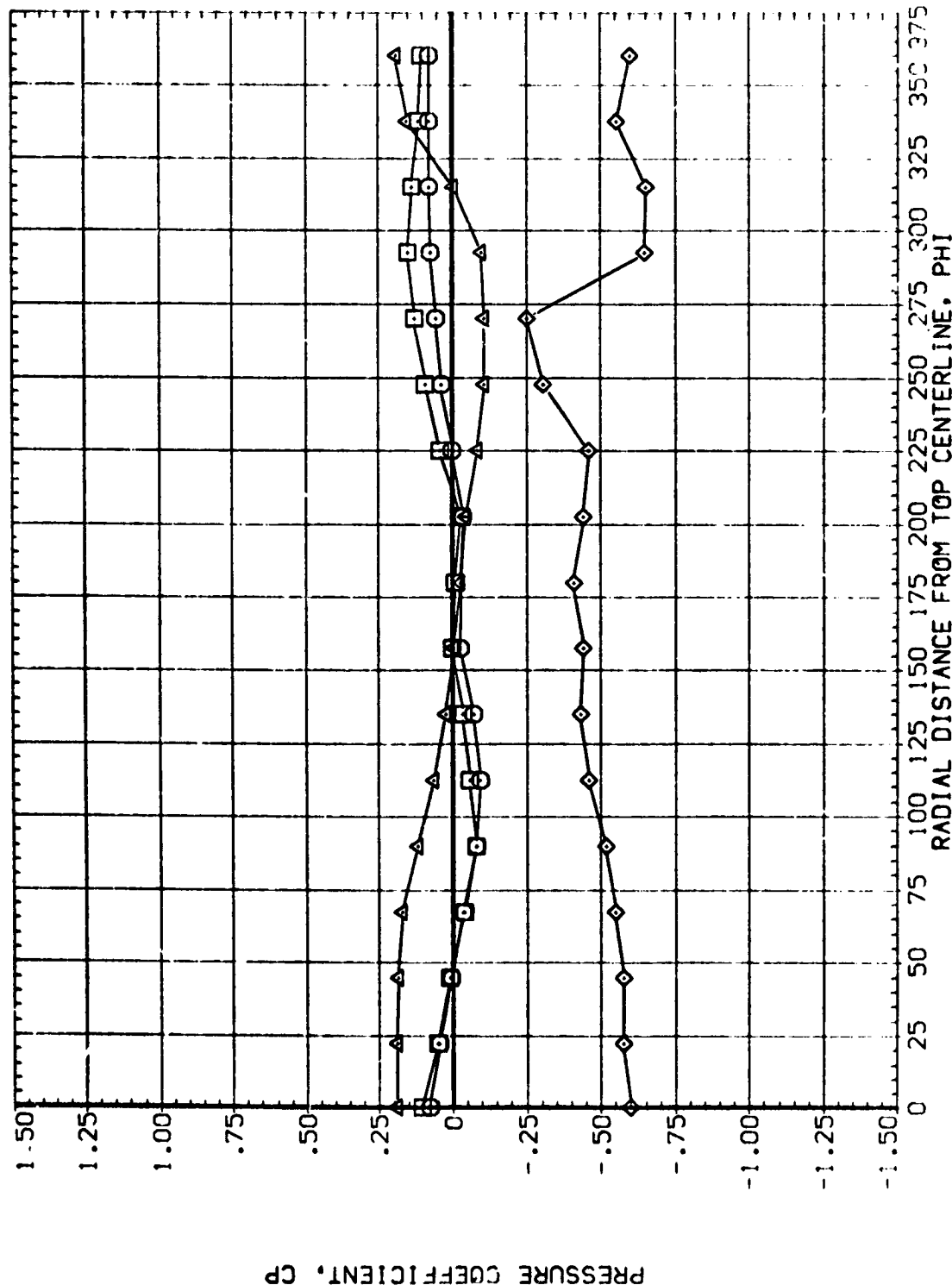
SYMBOL	X/LS		BETA		MACH		REFERENCE DATA				PARAMETRIC VALUES			
	0	1	2	3	4	5	SREF	LREF	BREF	XMRP	ZMRP	SO. IN.	ALPHA	CONF IS
○	.152	.224	.332	.440			6.198	5.313	5.313	2.549	.972	IN.	DELTA Z	RUDDER
□												IN.	X-SRB	ORB IN.
◇												IN.		
△												IN.		



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

SYMBOL	X/L	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.549	-4.000	.900	SREF 6.198	-5.000
□	.657			LREF 5.313	.140
◇	.765			BREF 5.313	.000
△	.863			XREF 2.549	.000
				YREF .972	.500
				ZREF .000	.000



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

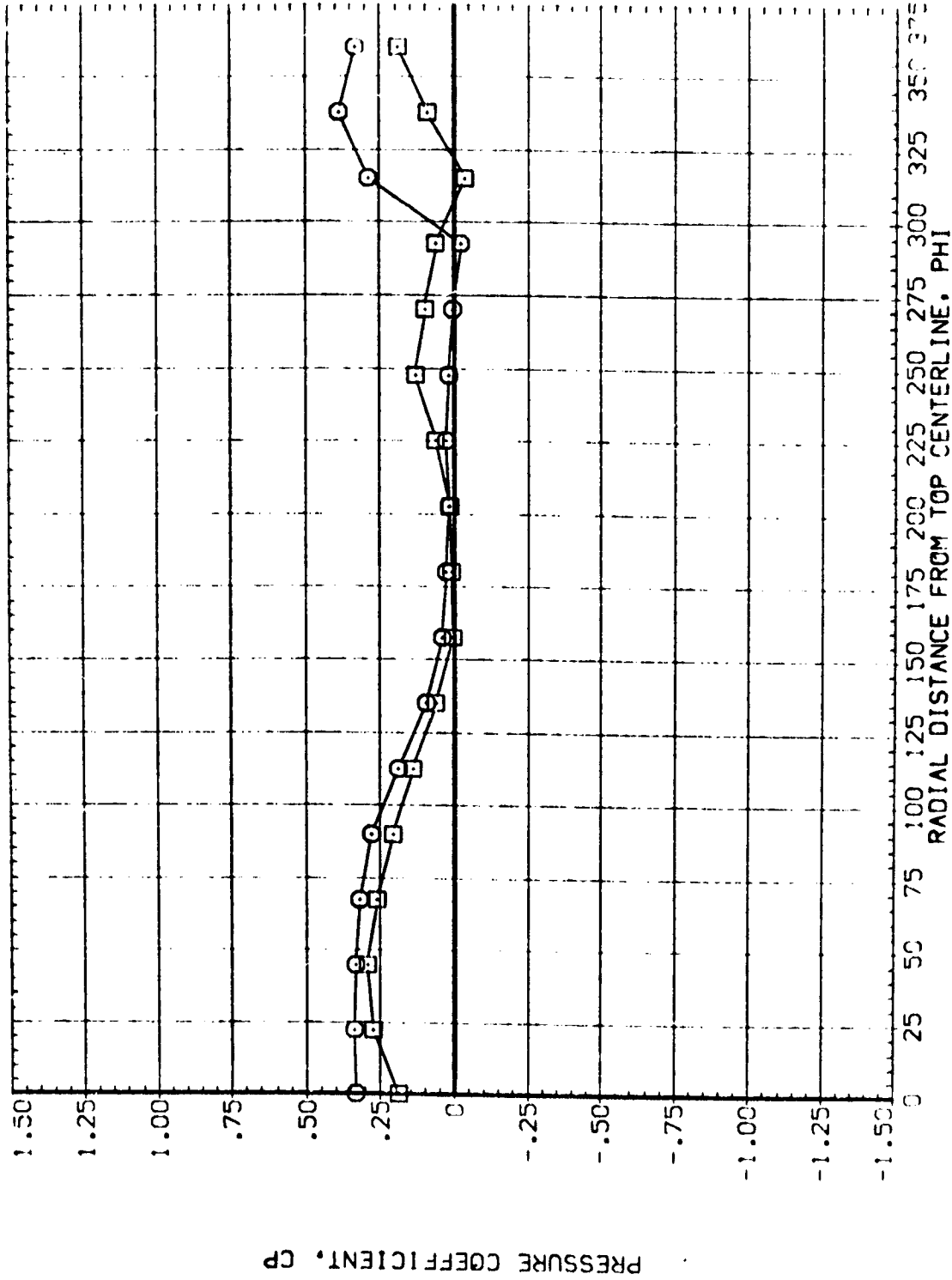
MSFC 567(1132F) T9 S3/2 S3/2 03 SRM BOOSTER (A82304)

SYMBOL
□ ○

XALS .912
BETA -4.000
MACH .900

REFERENCE DATA
SREF 6.198
LREF 5.313
BREF 5.313
XREF 5.313
YREF 5.313
ZREF 5.313

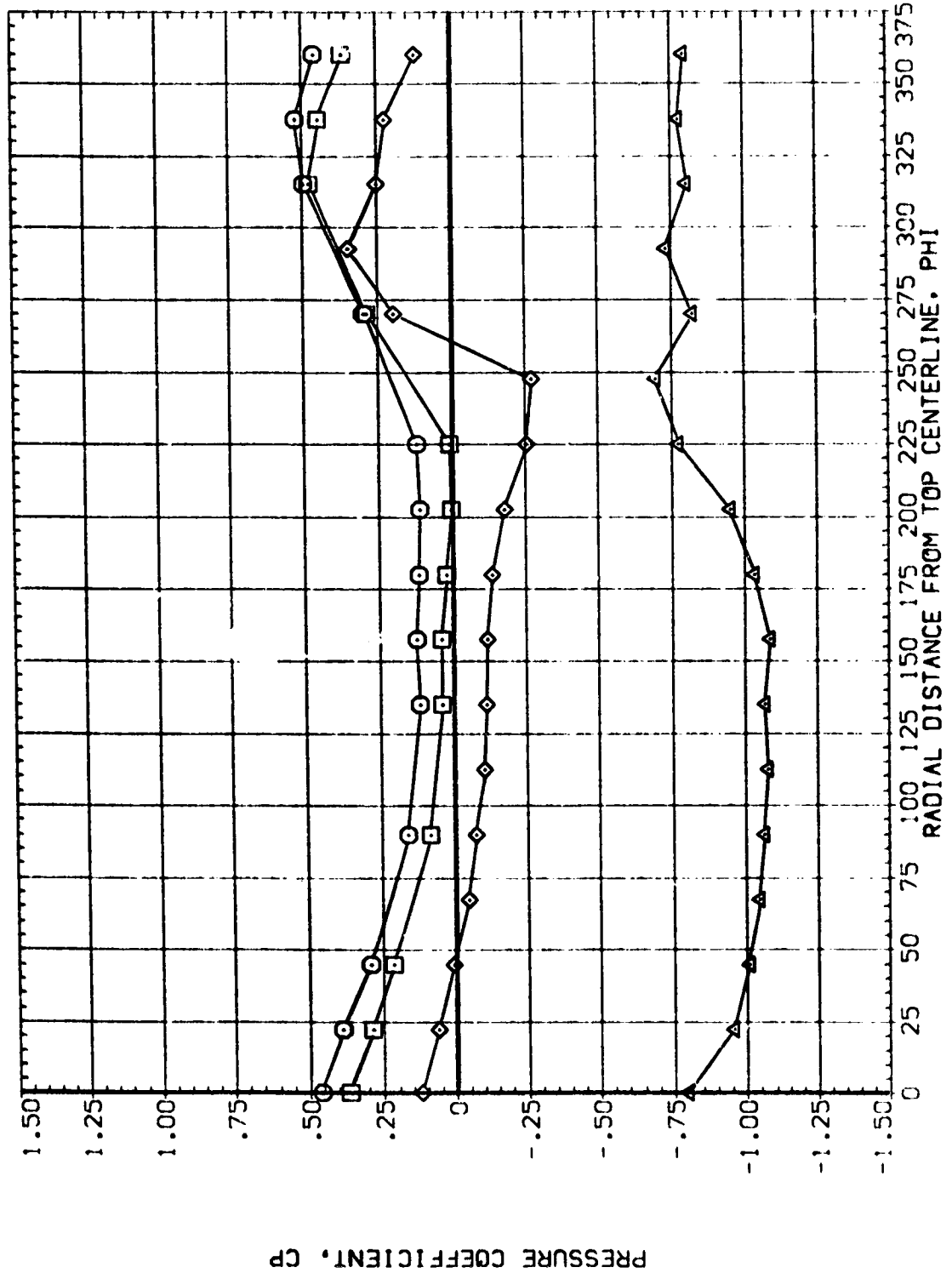
PARAMETRIC VALUES
ALPHA .000
DELTAZ .140
Y-SPR .000
CONFID .000
RUDDER .000
ORIGIN .000



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

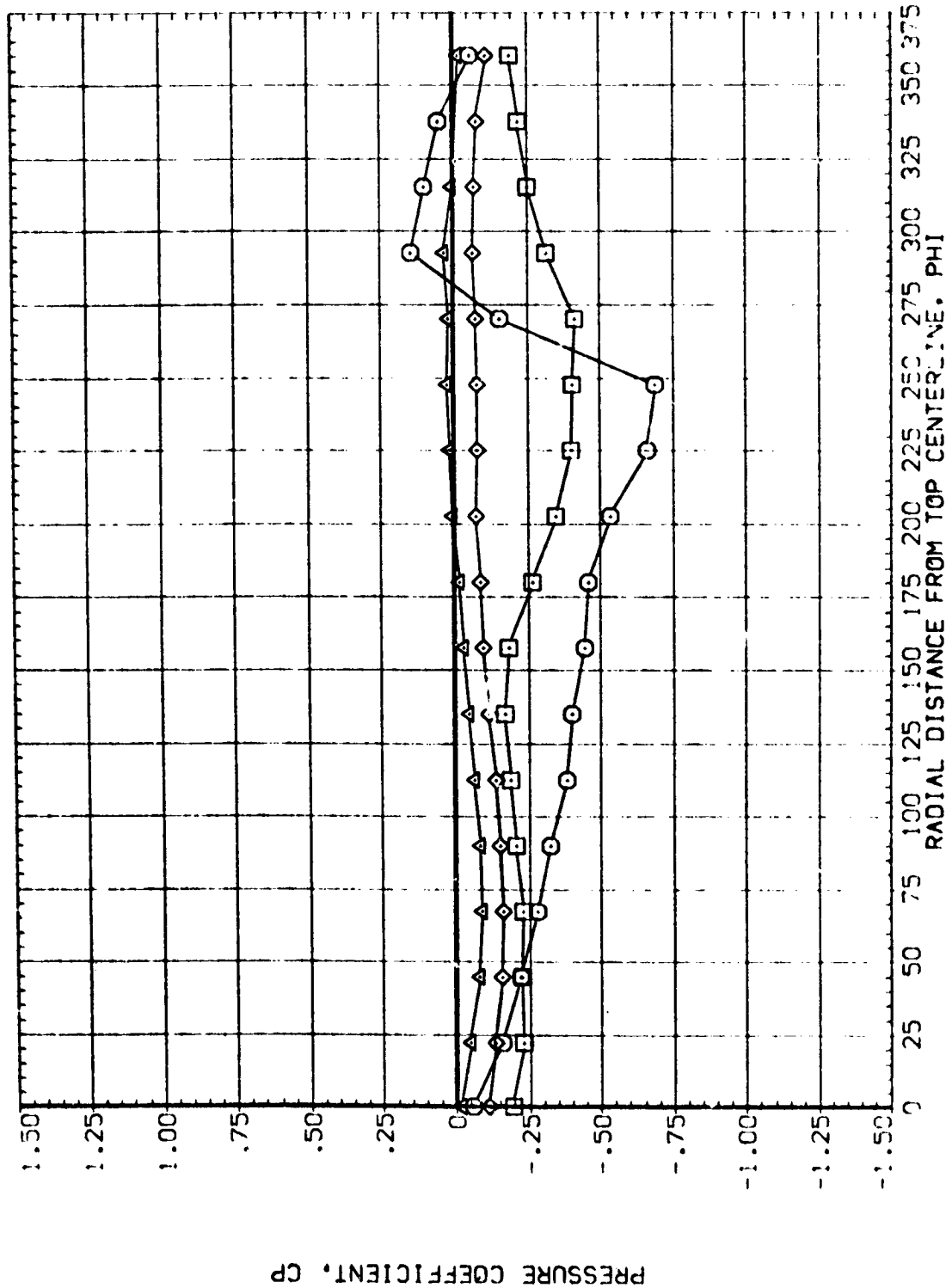
SYMBOL	X/LS		BETA		MACH		REFERENCE DATA		PARAMETRIC VALUES	
	.043	.072	.101	.116	.000	.500	SREF	LREF	ALPHA	CONFIG
○							6.198	5.313	DELTA Z	RUDER
□							5.313	2.549	X-SRB	ORBIT
◇							2.549	.972		
△							.972	.000		



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

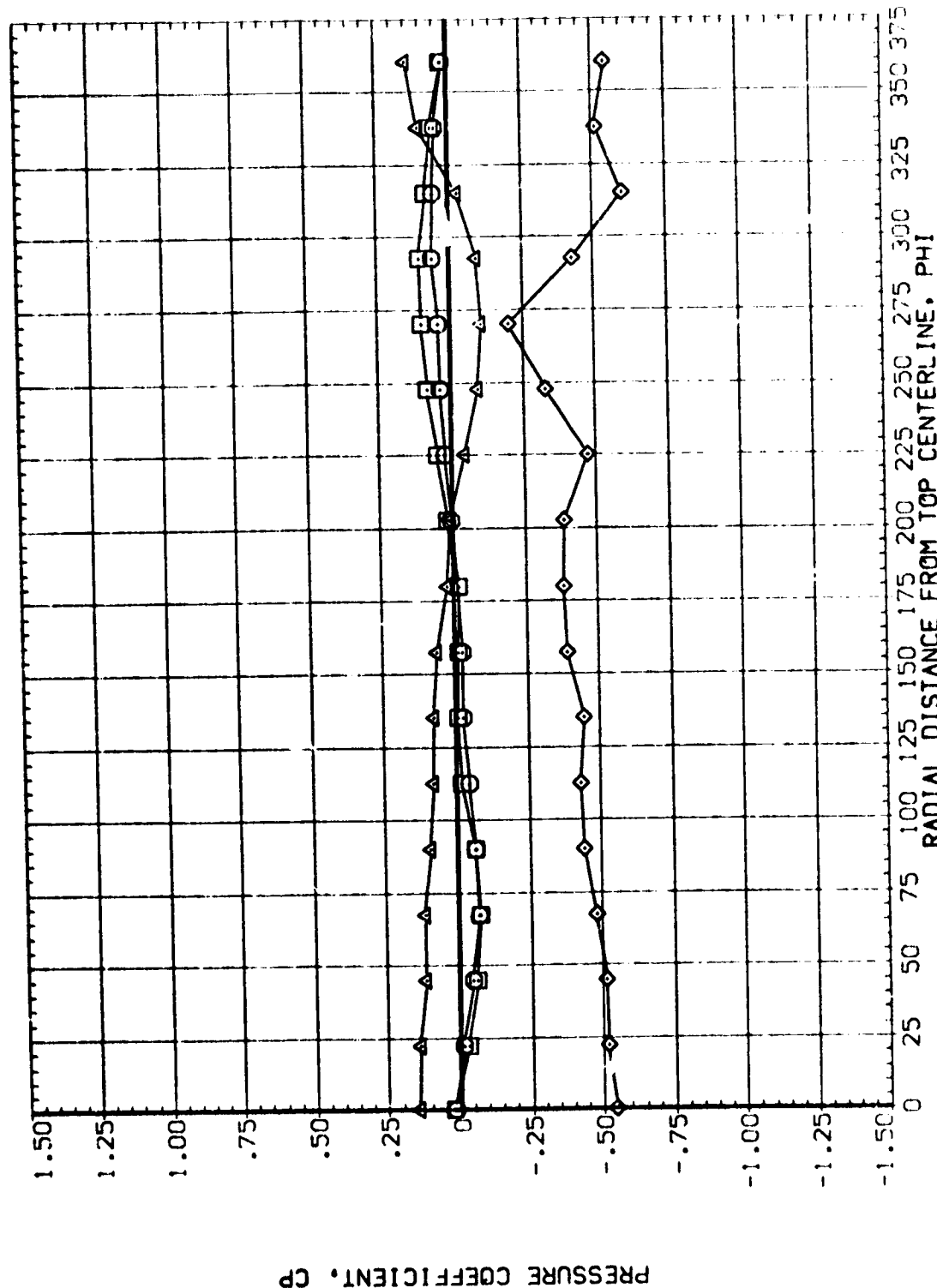
SYMBOL			REFERENCE DATA			PARAMETRIC VALUES		
X/L	BETA	MACH	SREF	6.198	50.1N.	ALPHA	-5.000	CONFIG
.152	.000	.900	LREF	5.313	1.140	DELTAZ	.000	RUDDER
.224			BREF	5.313	1.140	Y-SRB	.000	ORBITAL
.332			XMRP	2.549	1.140			
.440			YMRP	.972	1.140			
			ZMRP	.000	1.140			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BC3STER (A82S04)

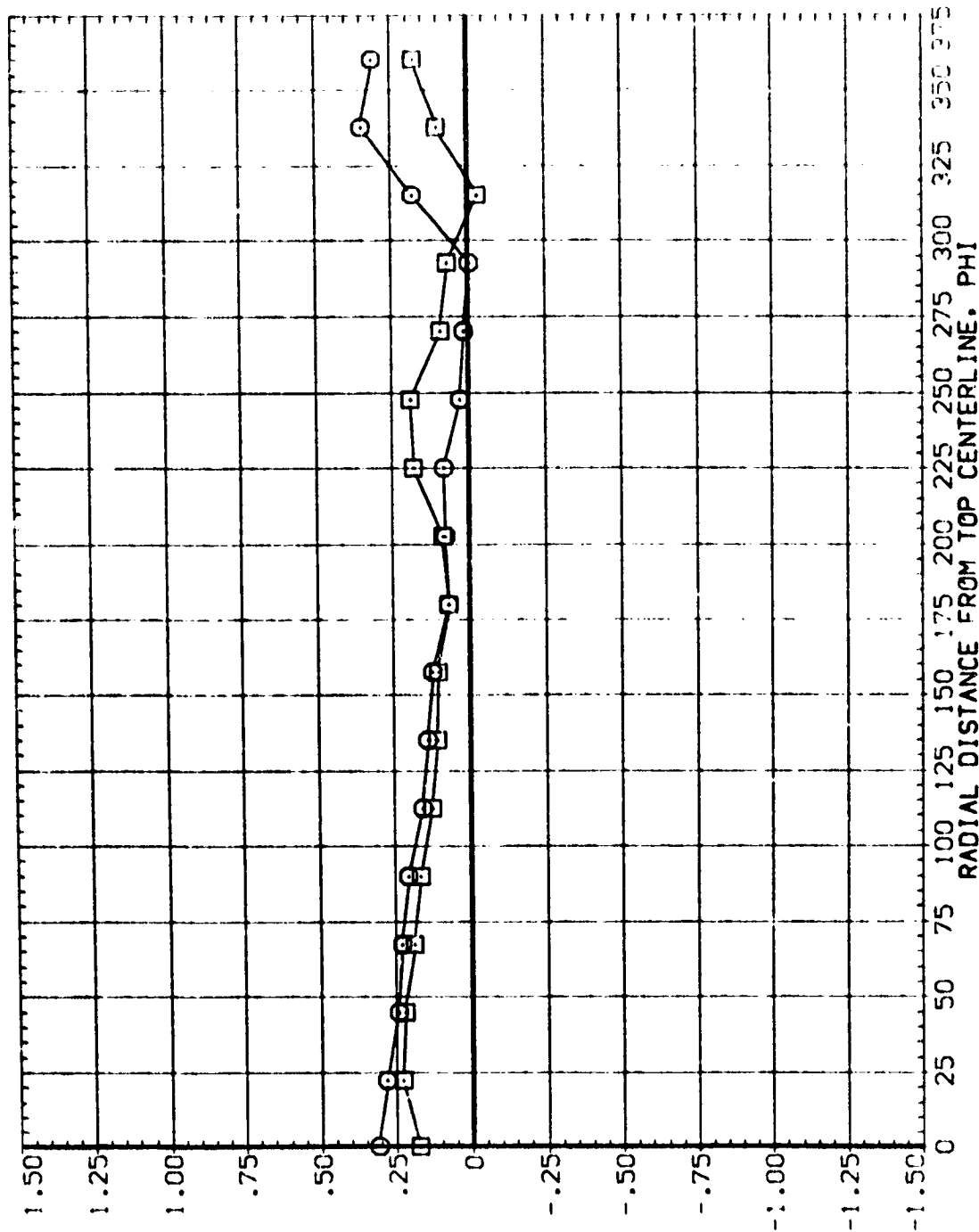
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				REF	6.198	ALPHA	CONF IG	30.000
○	.549	.000	.900	LREF	5.313	DELTA Z	PJUDER	.000
□	.657			BREF	5.313	X-SRB	.000	.500
◇	.765			XMRP	2.549			
△	.883			ZMRP	.972			
					.000			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

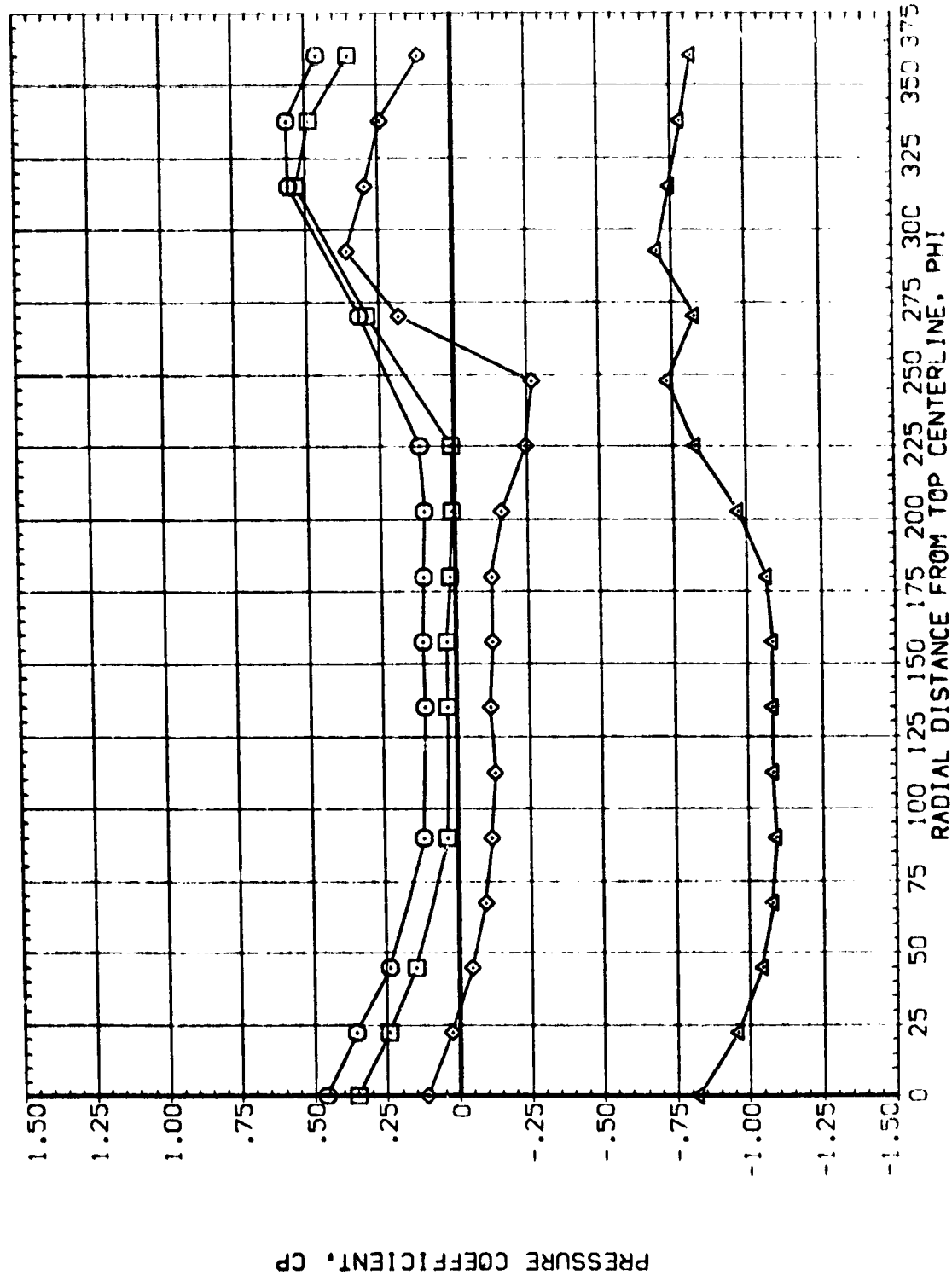
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	SREF	SO. IN.	ALPHA	CONFIS	90.000	
	.912	.000	.900	5.313	5.313	5.313	IN.	DELTA Z	.140	.000	
	.955			2.549	2.549	2.549	IN.	X-SRB	.000	.000	
				.972	.972	.972	IN.				
				.000	.000	.000	IN.				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

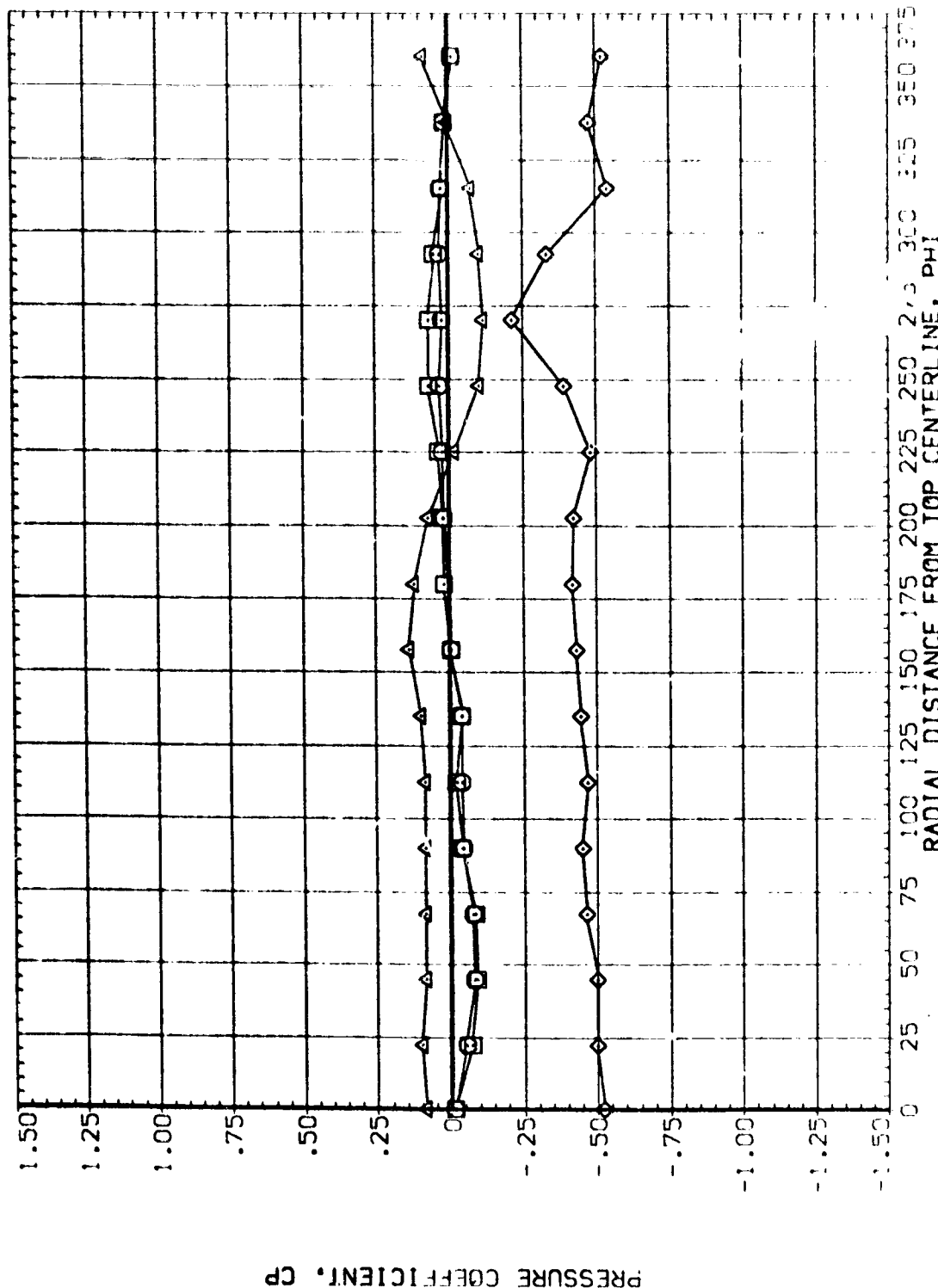
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	DELTAZ	CONFIG	
○	.043	4.000	.500	6.198	5.313	5.313	2.549	50. IN.		-5.000	90.000
□	.072							IN.		.140	.000
◇	.101							IN.		.000	.500
△	.116							IN.		.000	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

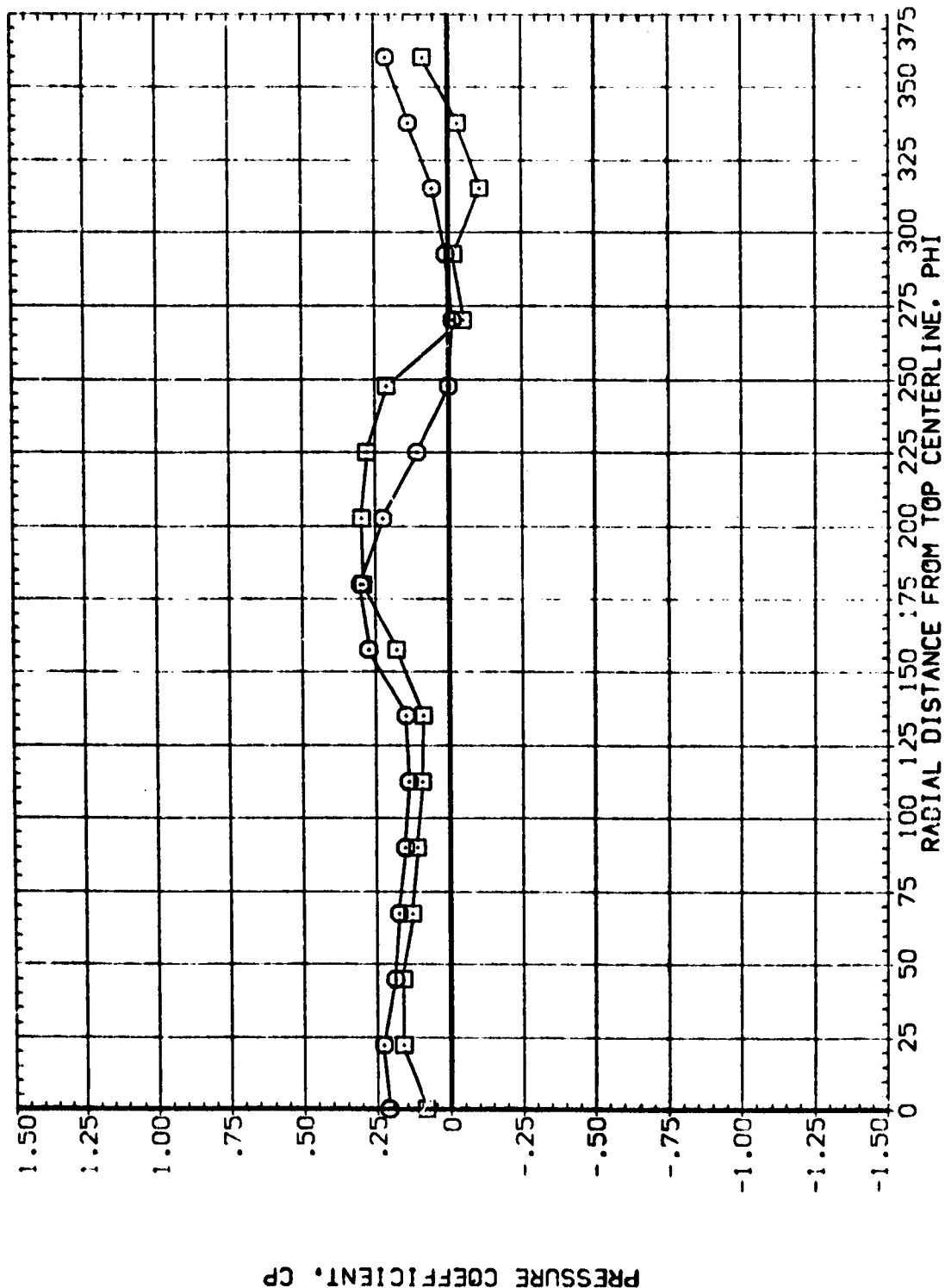
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	50. IN.	ALPHA	-5.000	CONF 15
	.549	4.000	.900	LREF	5.313	IN.	DELTA Z	.140	R-DOOR
	.657			BREF	5.313	IN.	X-SRB	.000	DPS INC
	.765			XPRP	2.549	IN.			
	.883			YPRP	.972	IN.			
				ZPRP	.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S 2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

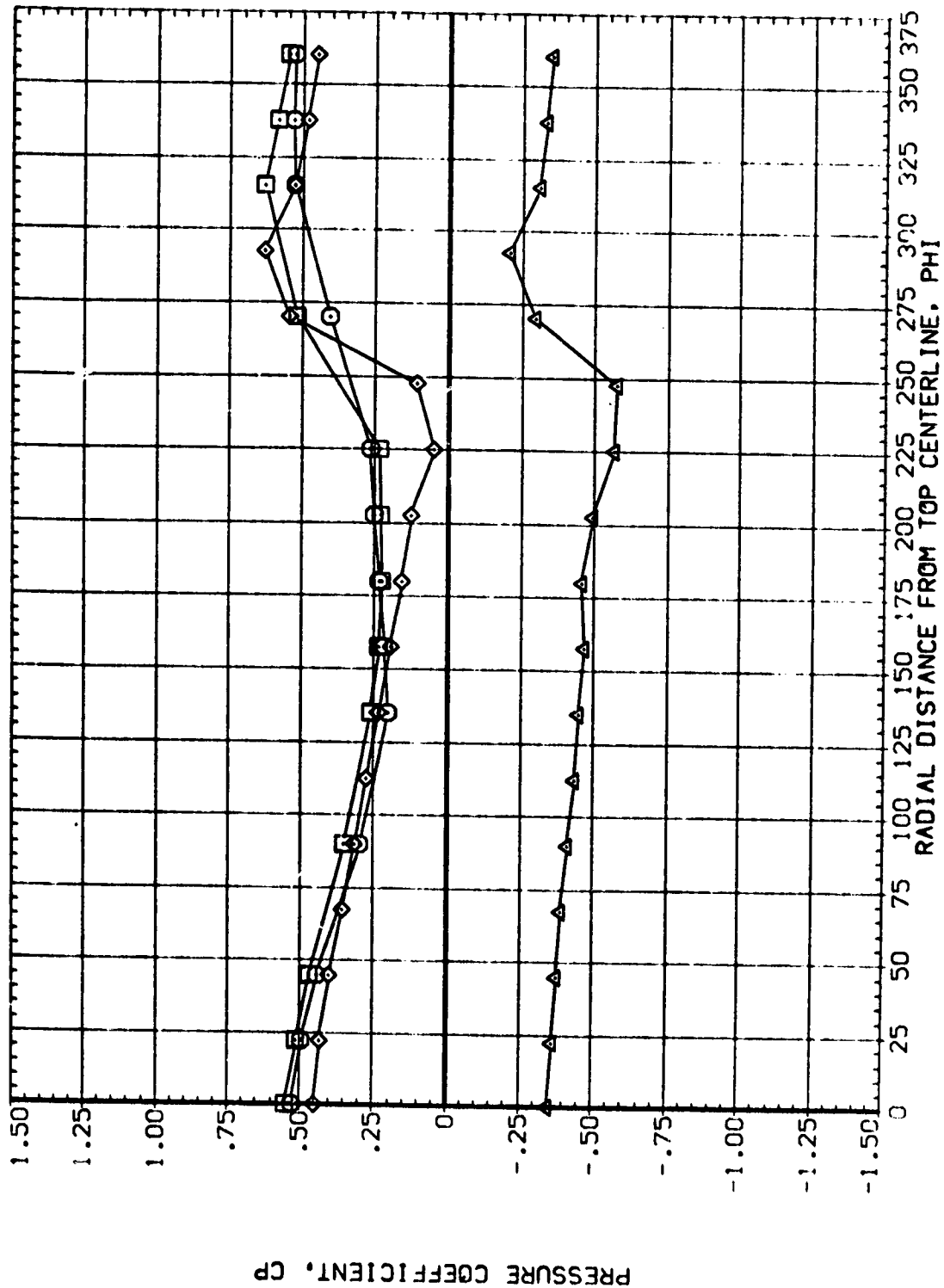
SYMBOL	W/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	SO. IN.	ALPHA	90.000
	.912	4.000	.900	LREF	5.313	IN.	DELTAZ	.000
	.955			BREF	5.313	IN.	X-SRB	.140
				XMRP	2.549	IN.		.000
				YMRP	.972	IN.		.500
				ZMRP	.000	IN.		.000



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

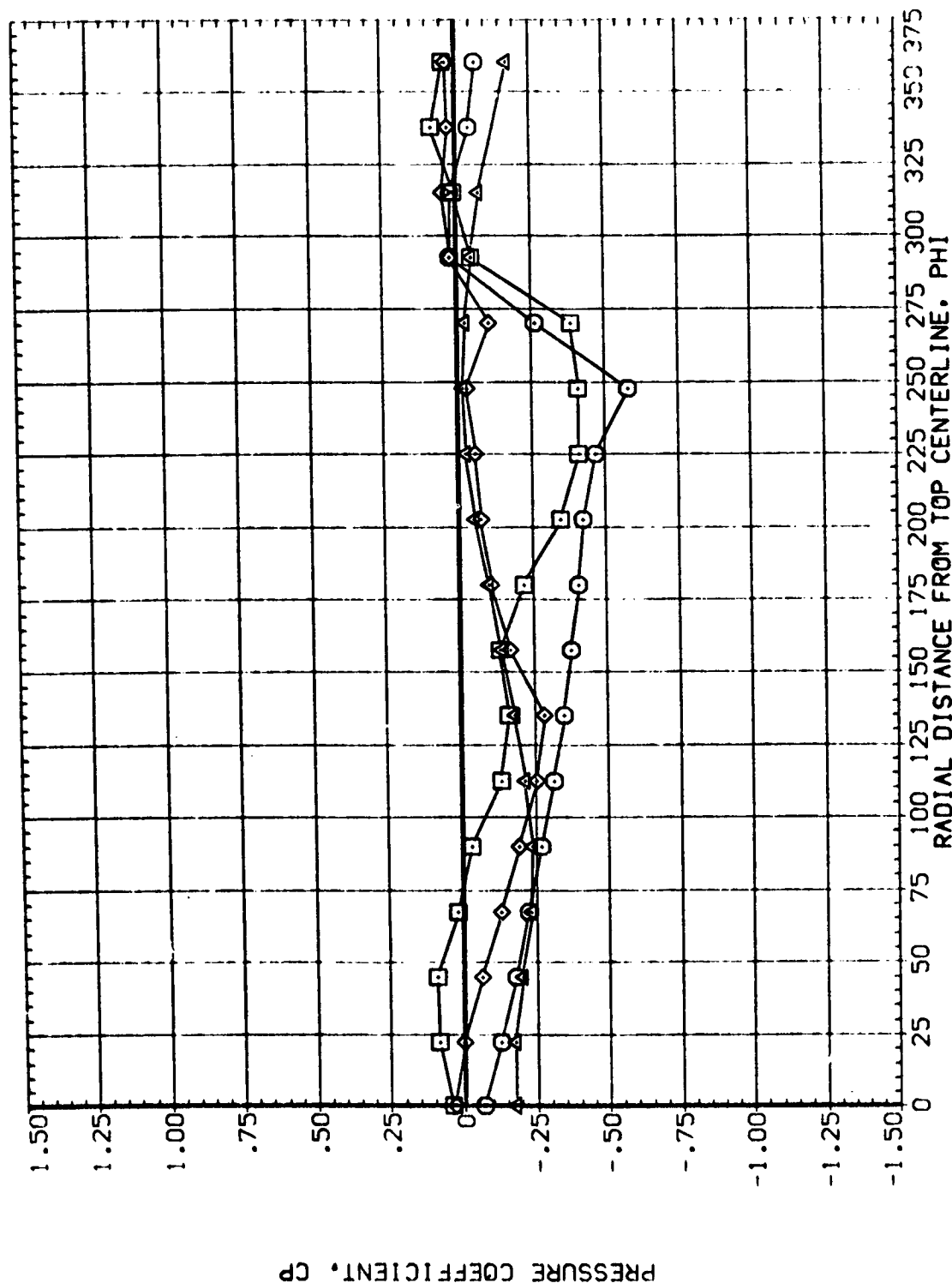
SYMBOL	X/L5	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	DELTAZ	CONFIG	
○	.043	-4.000	1.250	6.198	5.313	5.313	2.549	-5.000	.140	RUDDER	90.000
□	.072							X-SRB		ORBING	.000
◇	.101										.500
△	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

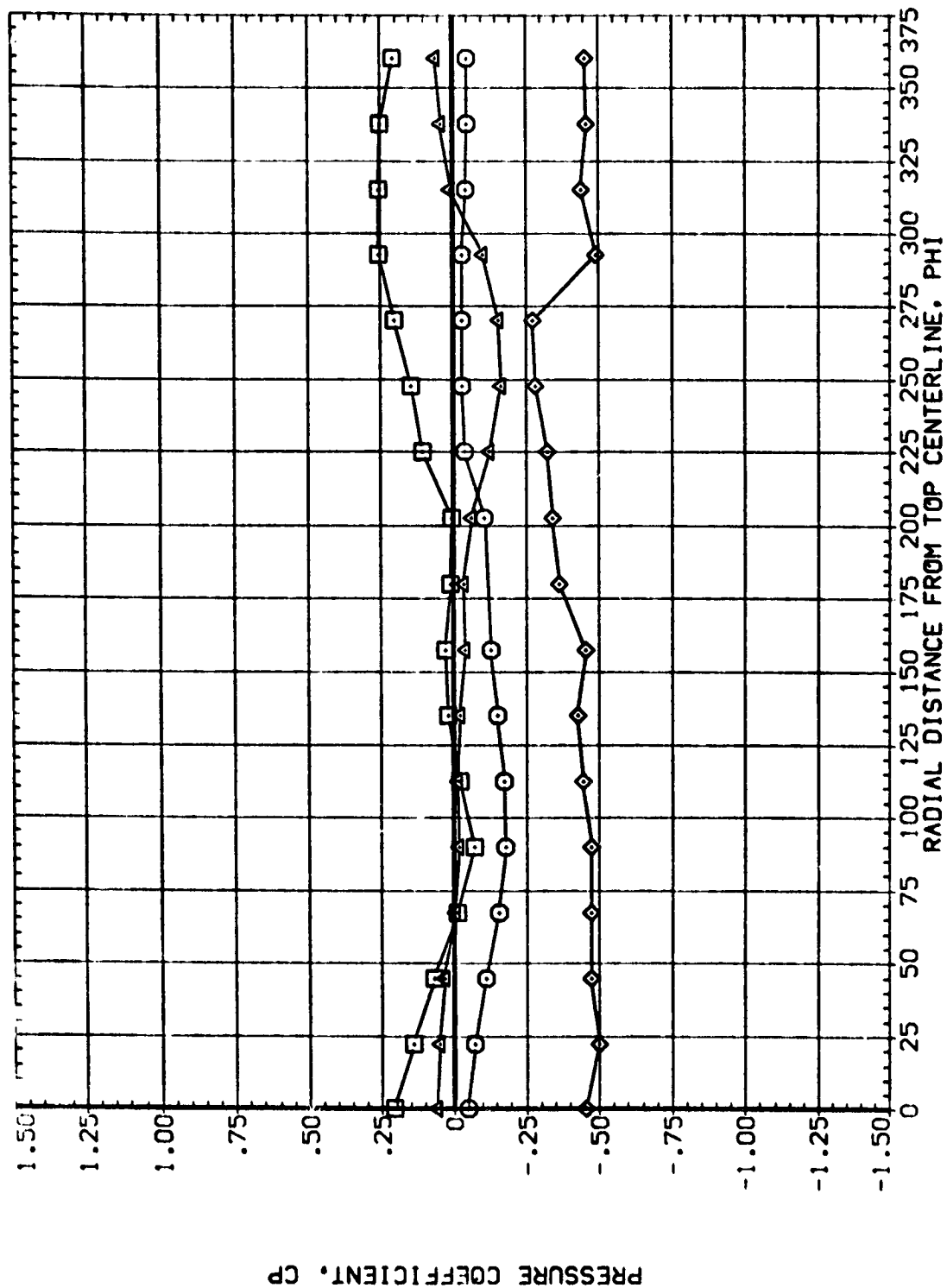
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SO.IN.	ALPHA	CONFIS	90.000
□	.152	-4.000	1.250	6.198	5.313	5.313	2.549	IN.	DELTAZ	.140	.000
◇	.224							IN.	X-SRB	.000	.500
△	.332							IN.			
	.440							IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MS-C 507(IA32F) T9 S3/2 2 03 SRM BOOSTER (A82S04)

REFERENCE DATA		PARAMETRIC VALUES			
SREF	5.198	ALPHA	-5.000	CONF IG	90.000
LREF	5.313	DELTA Z	.140	RUDER	.000
BREF	5.313	X-SRB	.000	DRB INC	.500
YNRP	2.549				
ZNRP	.972				
	.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

SYMBOL

LS
.912
.955

BETA
-4.00

MACH 1.25

REFERENCE DATA	
SREF	6.198
LREF	5.313
BREF	5.313
XMRP	2.549
YMRP	.972
ZMRP	.000

z
gzzzzz

z
gzzzzz

z
gzzzzz

z
gzzzzz

z
gzzzzz

z
gzzzzz

ALPHA
DELTA Z
X-SRB

ALPHA
DELTA Z
X-SRB

ALPHA
DELTA Z
X-SRB

PARAMETRIC VALUES	CONFIG	FLDGR	DRBING
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.140			
.000			

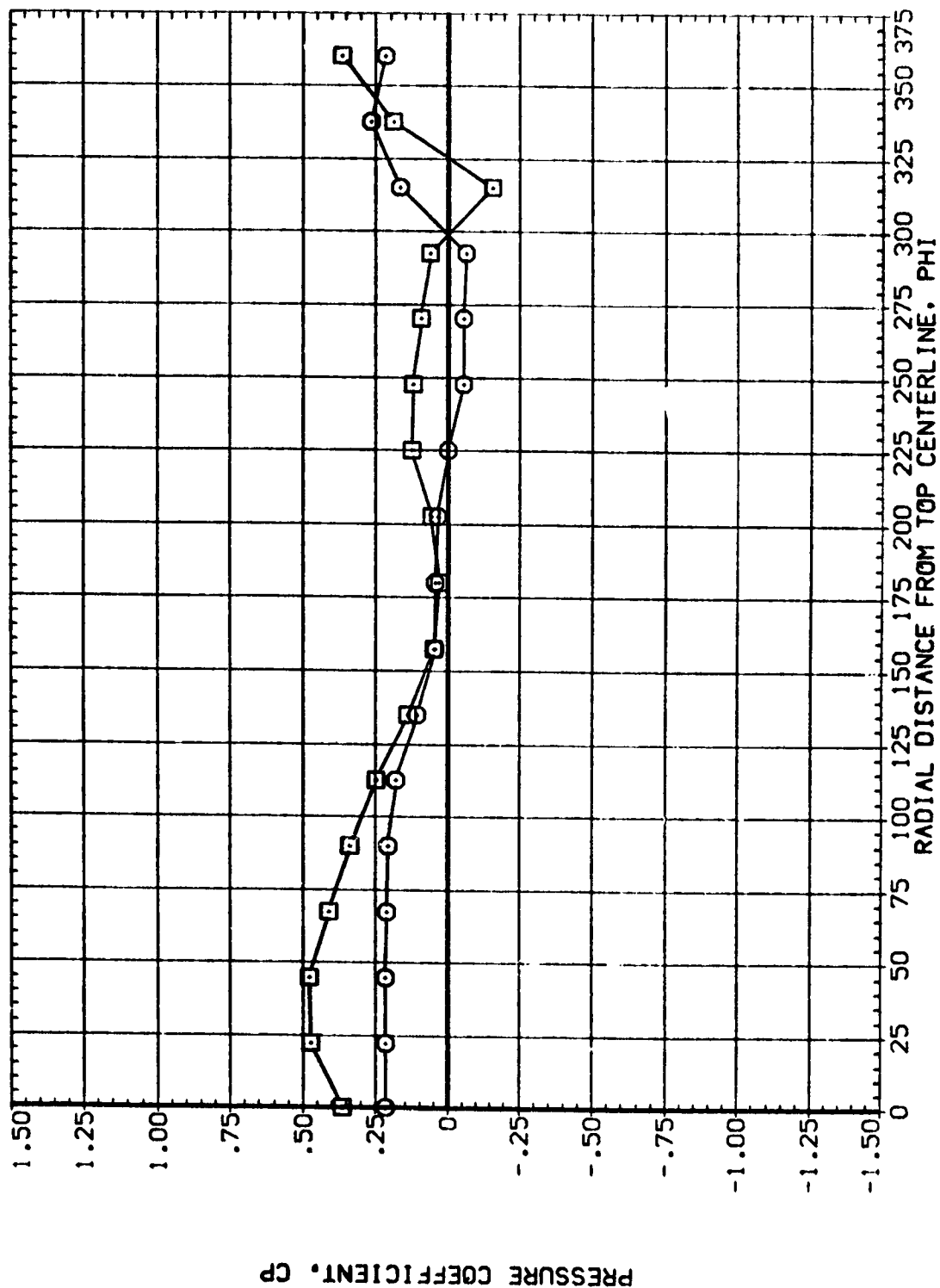
PARAMETRIC VALUES	CONFIG	FLDGR	DRBING
-5.000			
.140			
.000			

PARAMETRIC VALUES	CONFIG	FLDGR	DRBING
-5.000			
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PARAMETRIC VALUES	CONFIG	FLDGR	DRBING
-5.000			
.140			
.000			

PARAMETRIC VALUES	CONFIG	FLDGR	DRBING
-5.000			
.140			
.000			

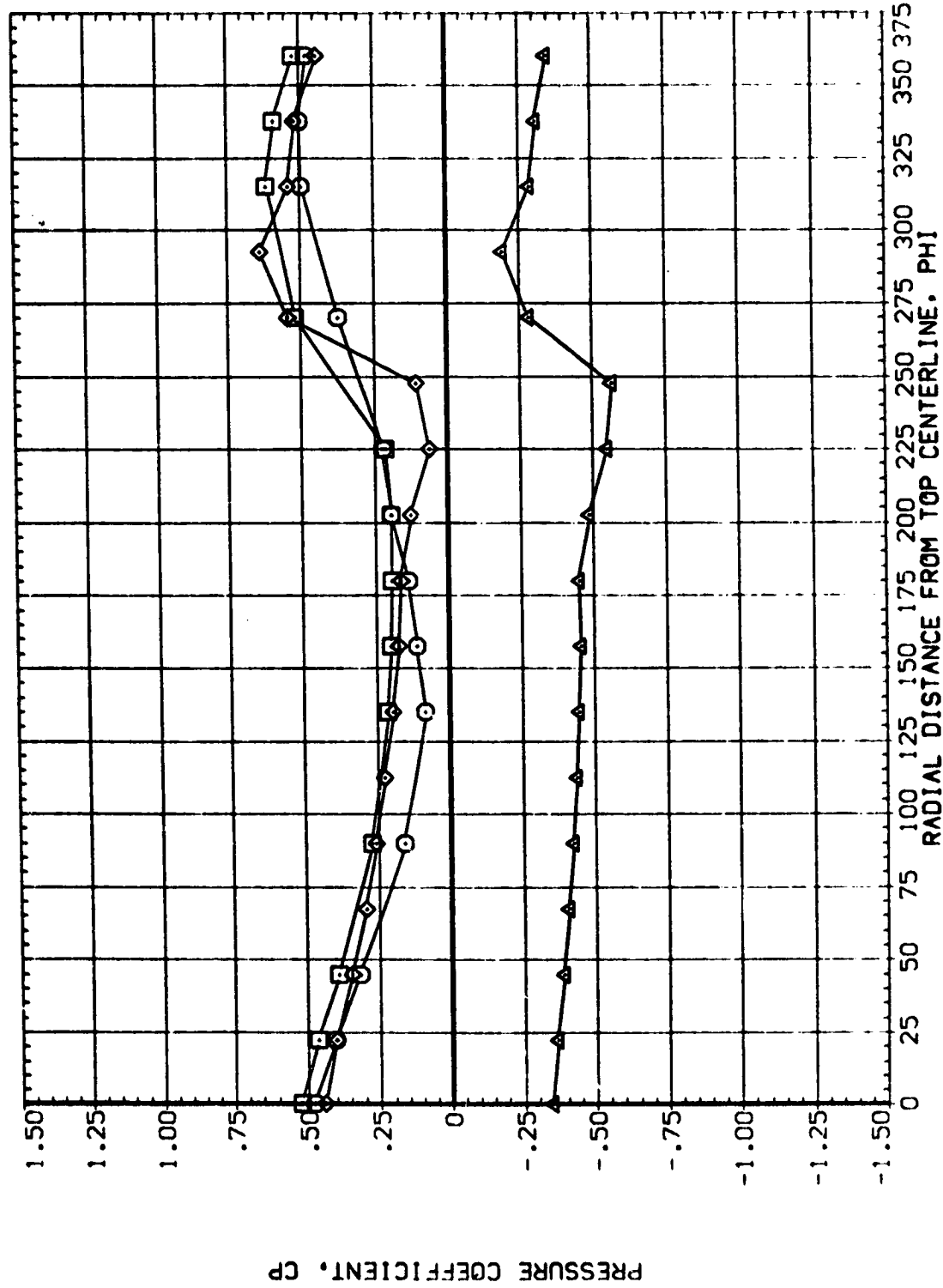
PARAMETRIC VALUES	CONFIG	FLDGR	DRBING
-5.000			
.140			
.000			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

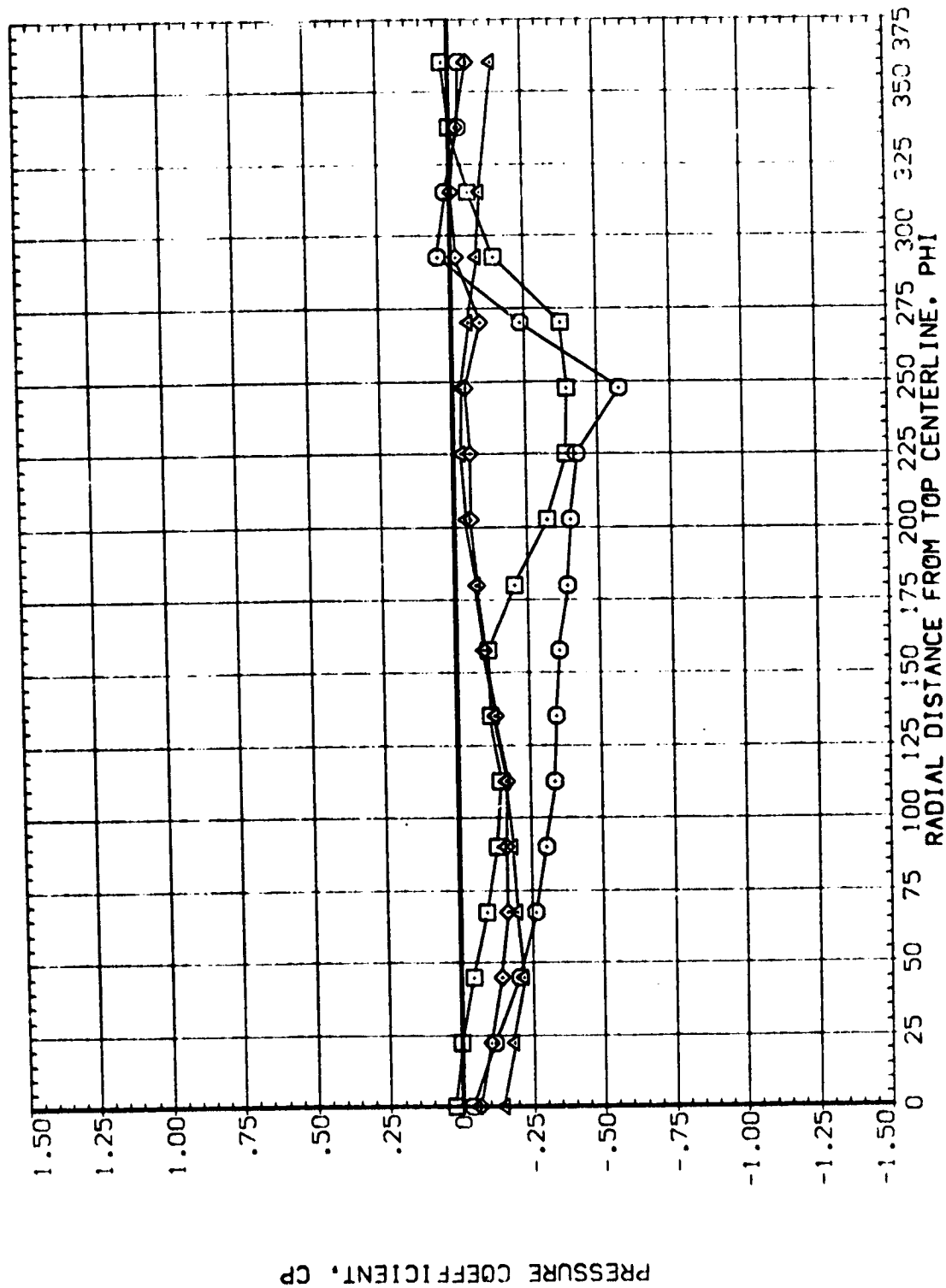
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	ALPHA	-5.000	CONF IG	90.000
□	.043	.030	1.250	LREF	DELTA Z	.140	RUDDER	.000
◇	.072			BREF	X-SRB	.000	ORB IN	.500
◇	.101			XARP				
△	.116			YARP				
				ZARP				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

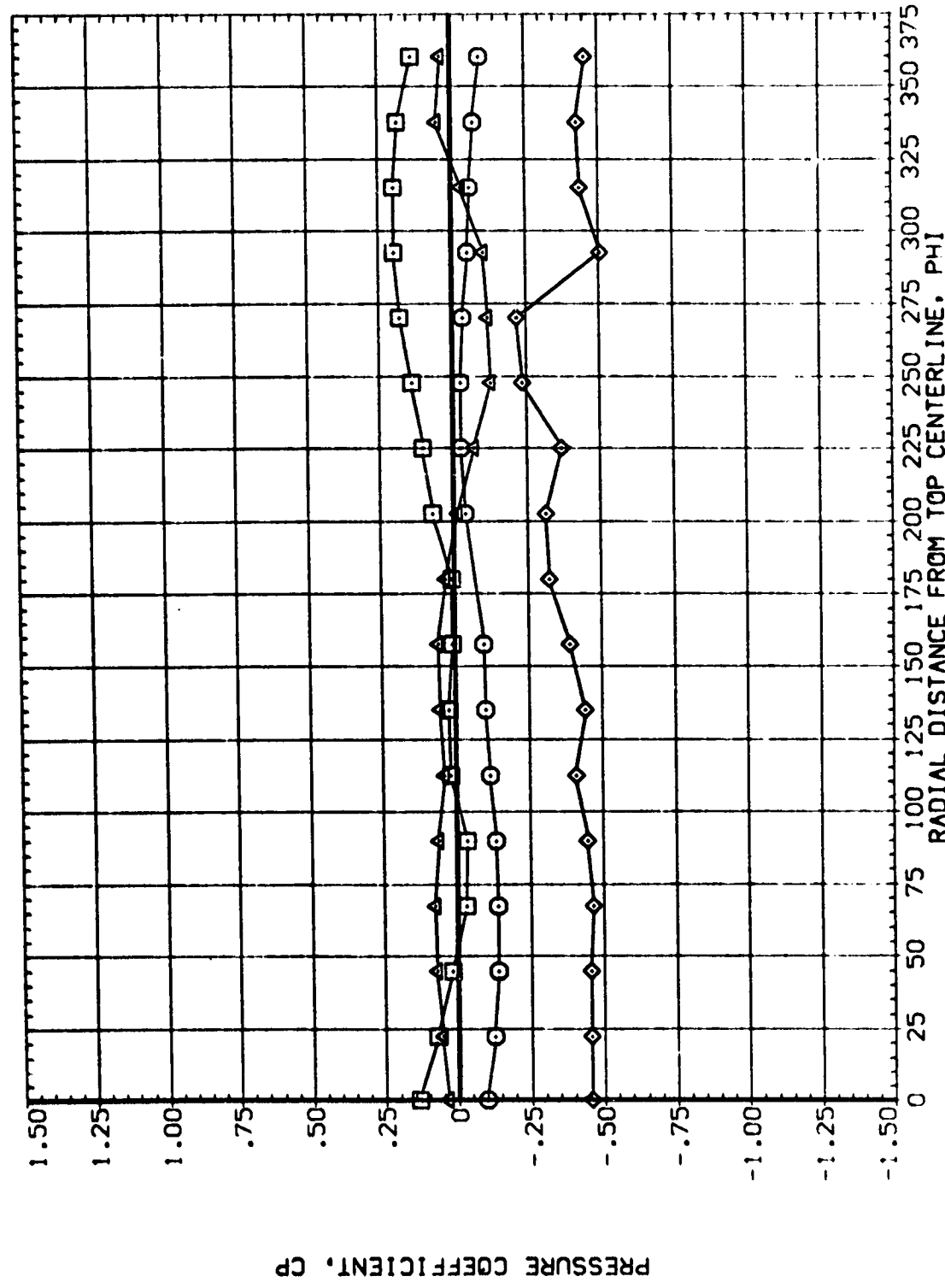
SYMBOL	γ/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
\square	.152	.000	1.250	SREF 6.198	-5.000
\square	.224			LREF 5.313	.140
\square	.332			BREF 5.313	.000
\square	.440			XREF 2.549	.000
				YREF .972	.500
				ZREF .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

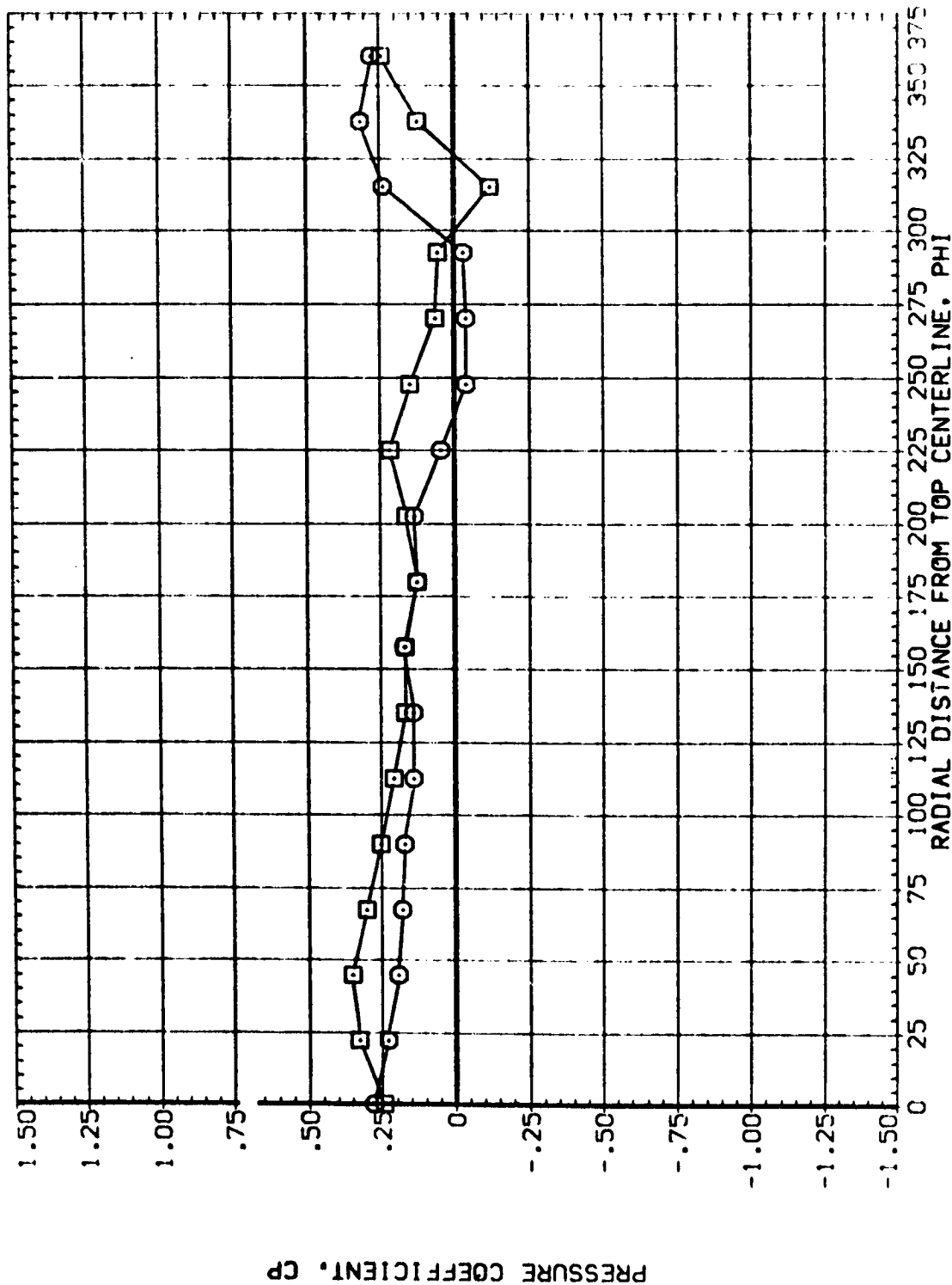
SYMBOL	X/L/S	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	CONFIG	RJUDER	998INC
○	.549	.000	1.250	6.198	5.313	5.313	2.549	DELTAZ	-5.000	.140	90.000
□	.657							X-SRB	.000	.000	.500
◇	.765										
△	.883										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

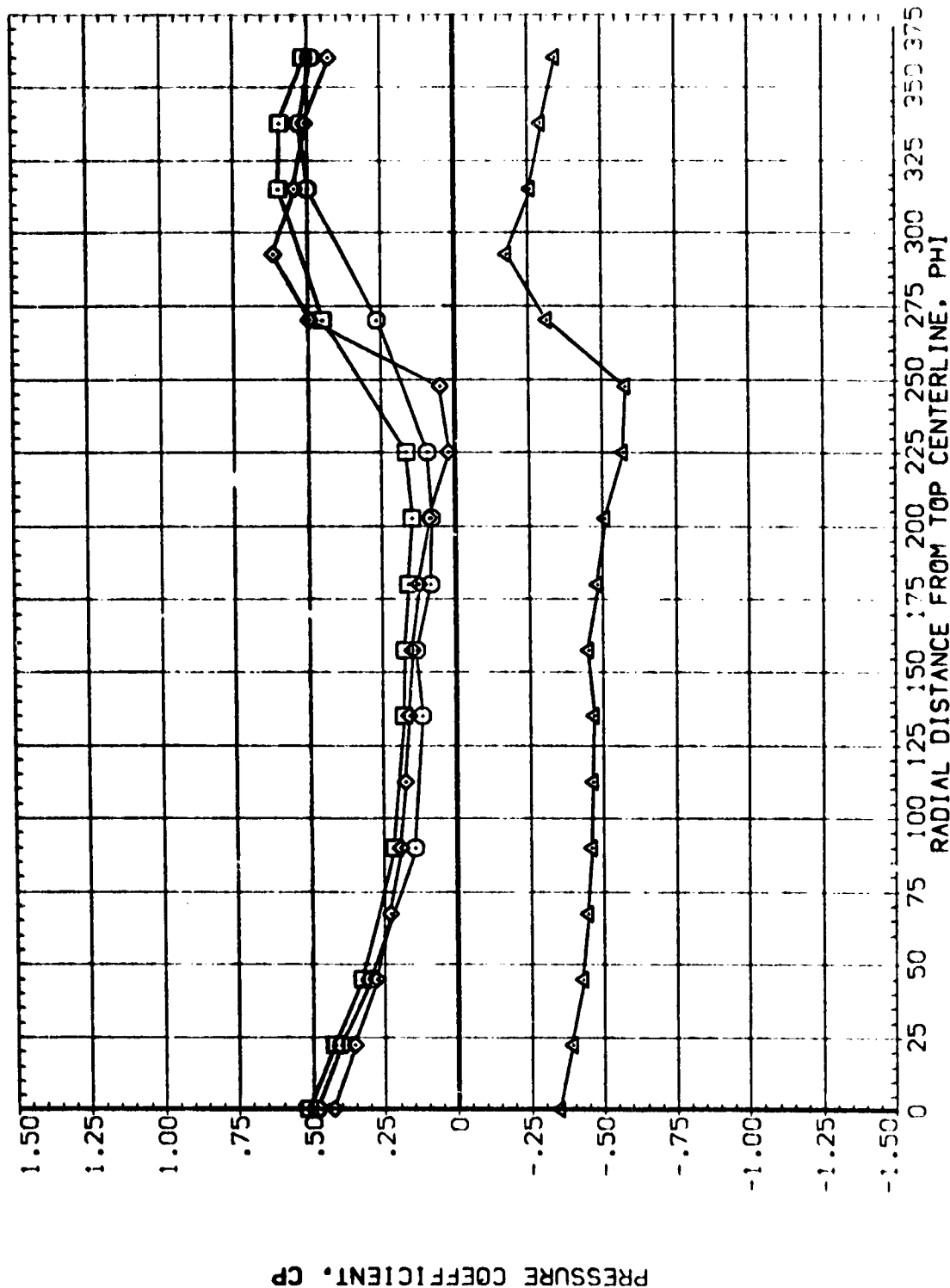
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	ALPHA	DELTA Z	CONF IG	90.000
□	.912	.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.140	RUDDER	.000
○	.955			5.313	2.549	.972	.000	X-SRB	.000	OFF INC	.500
				YMRP	ZMRP						



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

SYMBOL	X/S	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	DELTA Z	DELTA X	DELTA Y
○	.043	4.000	1.250	6.198	5.313	5.313	2.549	-5.000	.140	.000	.500
□	.072										
◇	.101										
△	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

SYMBOL
 ○
 □
 ◇
 △

X/L S BETA MACH
 .152 4.000 1.250
 .224
 .332
 .440

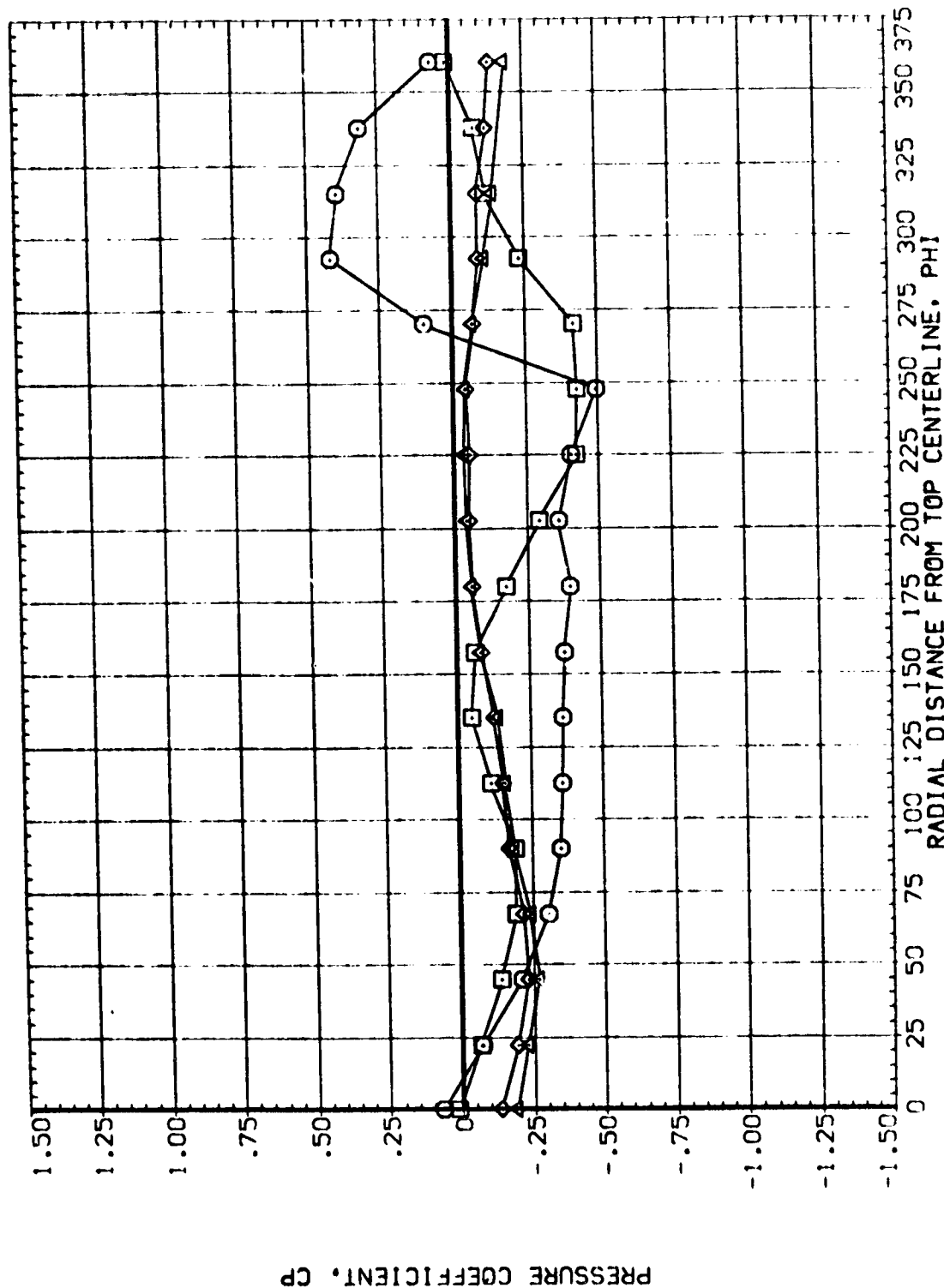
REFERENCE DATA
 SREF 6.198
 LREF 5.313
 BREF 5.313
 Y-MP 2.549
 Z-MP .572
 .000 IN.

SO. IN.
 IN.
 IN.
 IN.

ALPHA
 DELTA Z
 X-SRB

PARAMETRIC VALUES
 -5.000 CONFIG
 .140 RUDDER
 .000 ORBINC

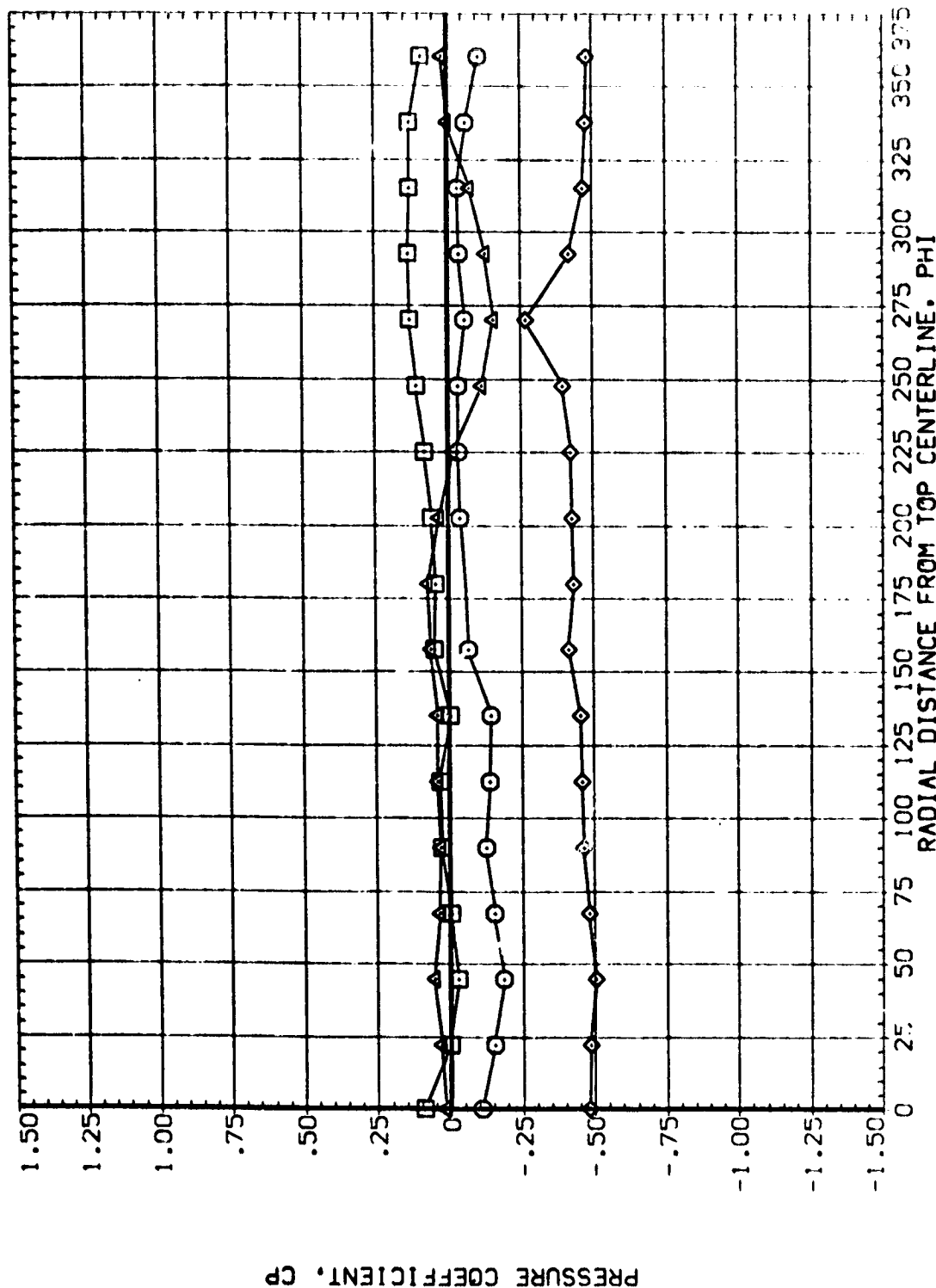
SO
 3



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

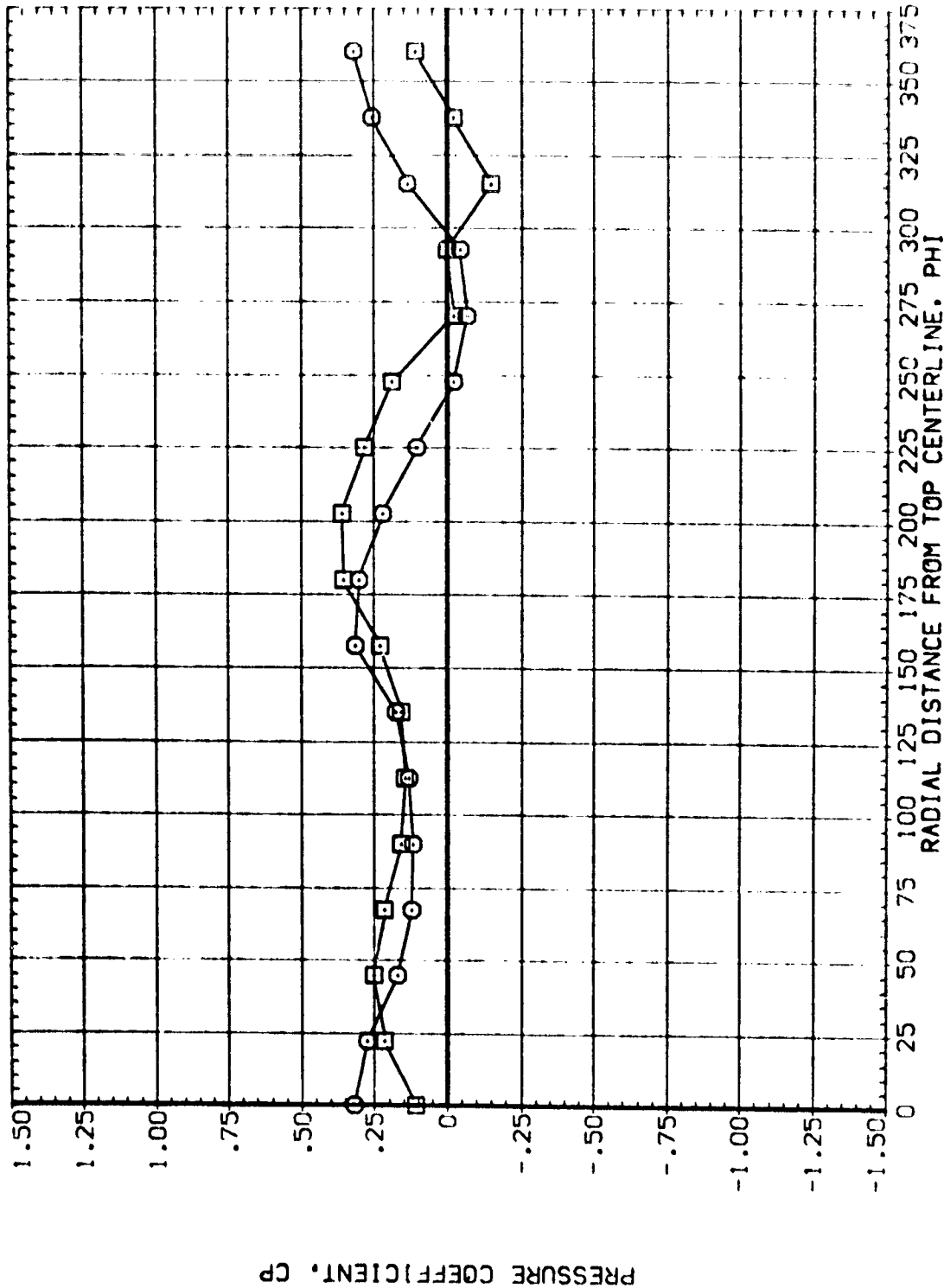
SYMBOL	X/L/S	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	ALPHA	-5.000	CONF IG	90.000
□	.549	4.000	1.250	LREF	5.313	DELTA Z	.140	RUDDER	.000
◇	.657			BREF	5.313	X-SRB	.000	ORBITAL	.500
△	.765			XPRP	2.549				
	.883			YPRP	.972				
				ZPRP	.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

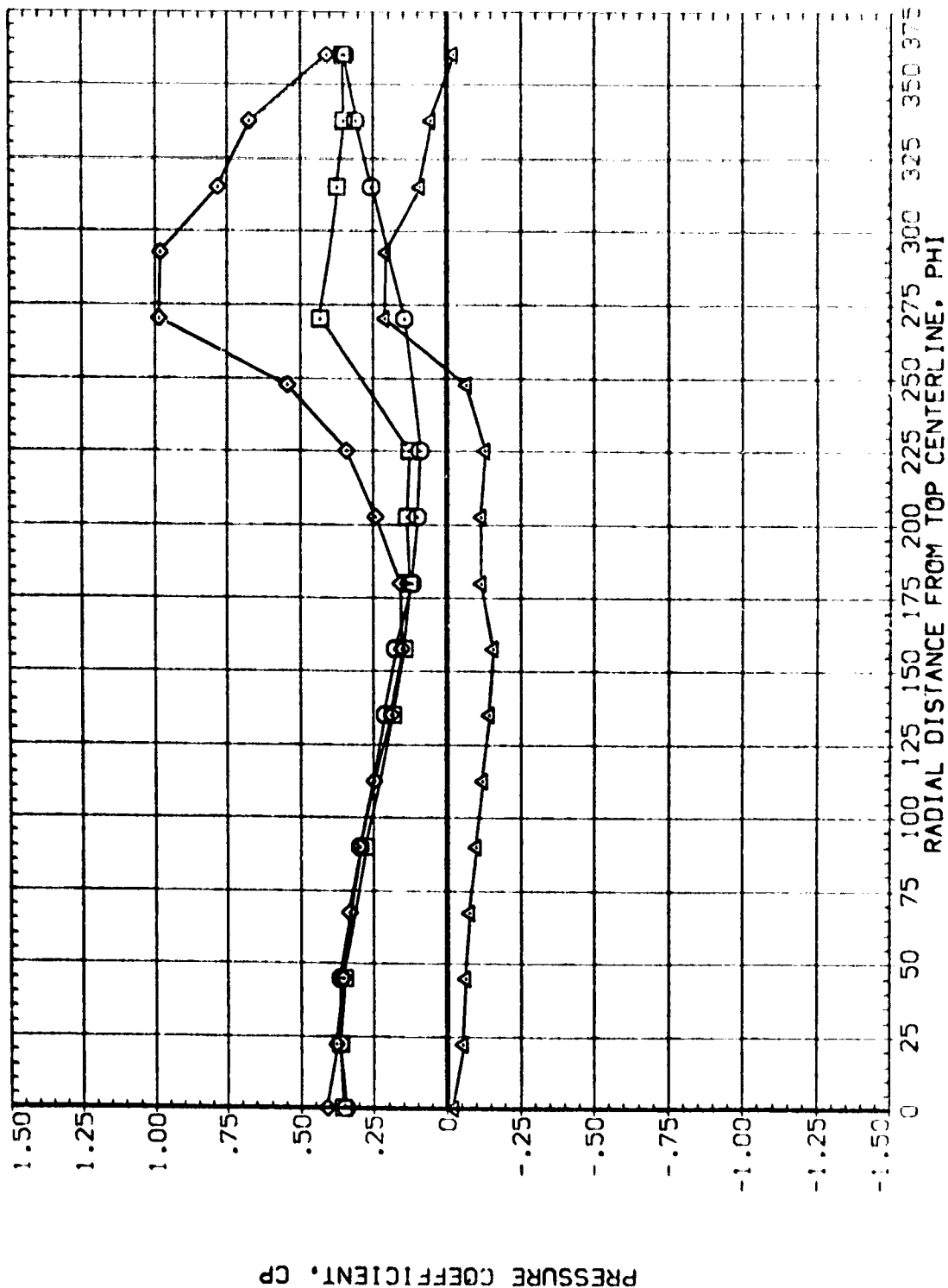
SYMBOL	X/L/S	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LINEF	BREF	XMRP	ALPHA	DELTAZ	CONF 15	CONF 16
□	.912	4.000	1.250	6.198	5.313	5.313	2.549	0.000	0.140	0.000	0.000
○	.955			.972	.000	.000	.000	X-SRB	398)INC		50.000



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

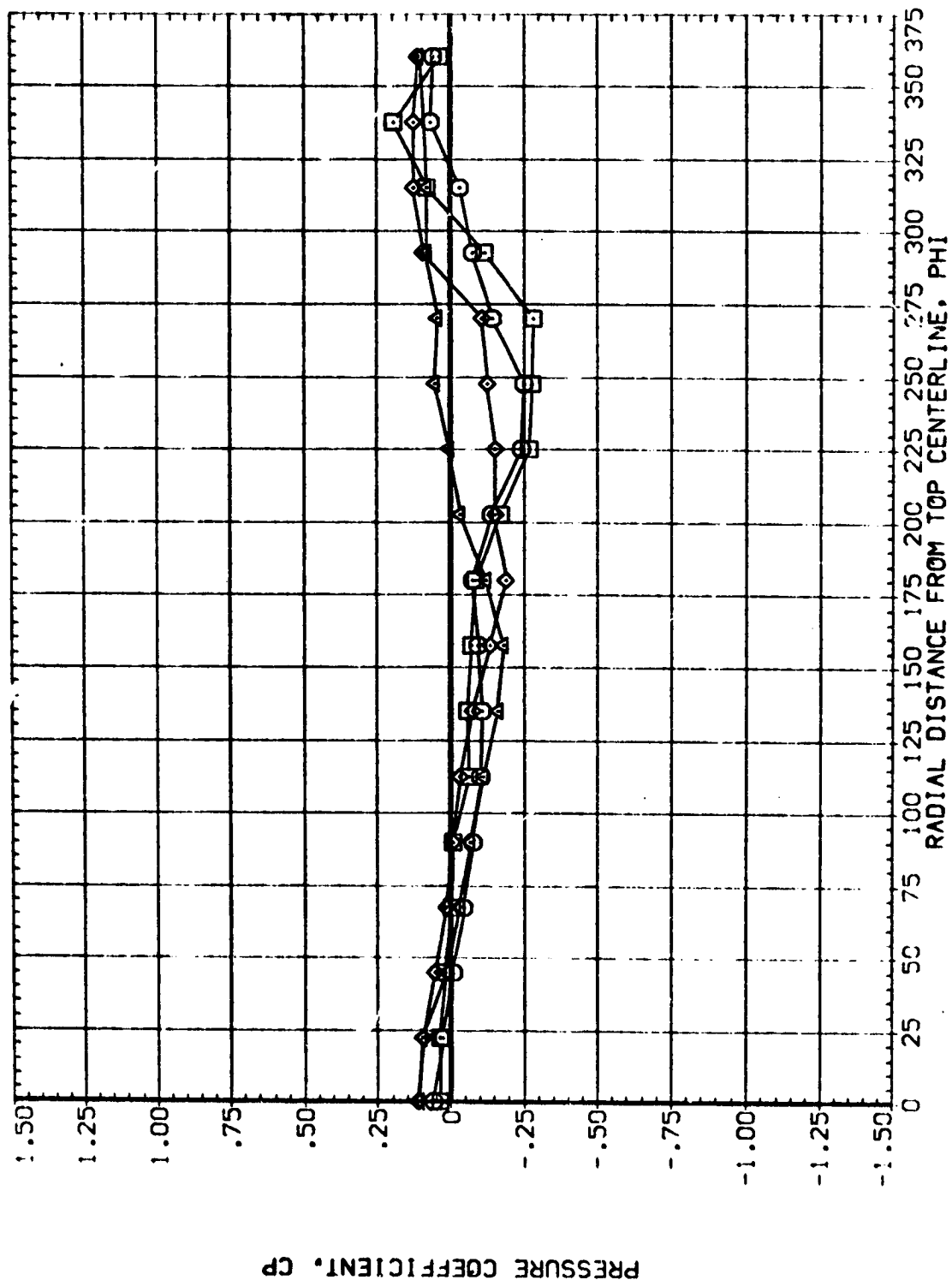
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
○	.043	-4.000	1.960	SREF	6.198	ALPHA	-5.000	CONF 15	90.000
□	.072			LREF	5.313	DELTA Z	.140	GLIDER	.000
◇	.101			BREF	5.313		.000	SRB	.500
				XMRP	2.549				
				YMRP	.972				
△	.116			ZMRP	.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

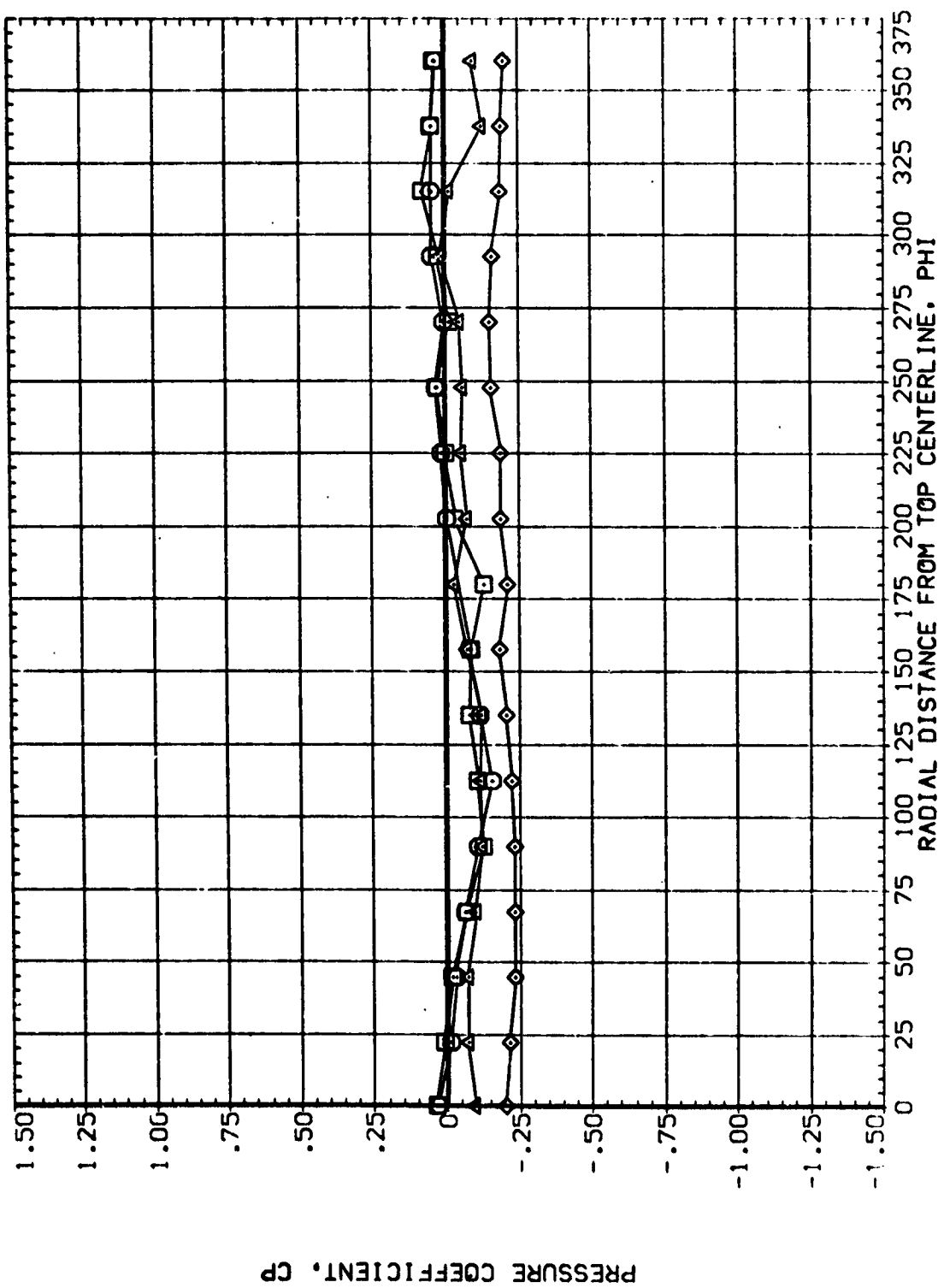
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
◇	.152	-4.000	1.960	SREF	6.198	ALPHA	-5.000
○	.224			LREF	5.313	DELTA Z	CONF16
△	.332			BREF	5.313	RUDGR	.140
□	.440			XMRP	2.549	X-SRB	.000
				YMRP	.972	ORBINC	.500
				ZMRP	.000		



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

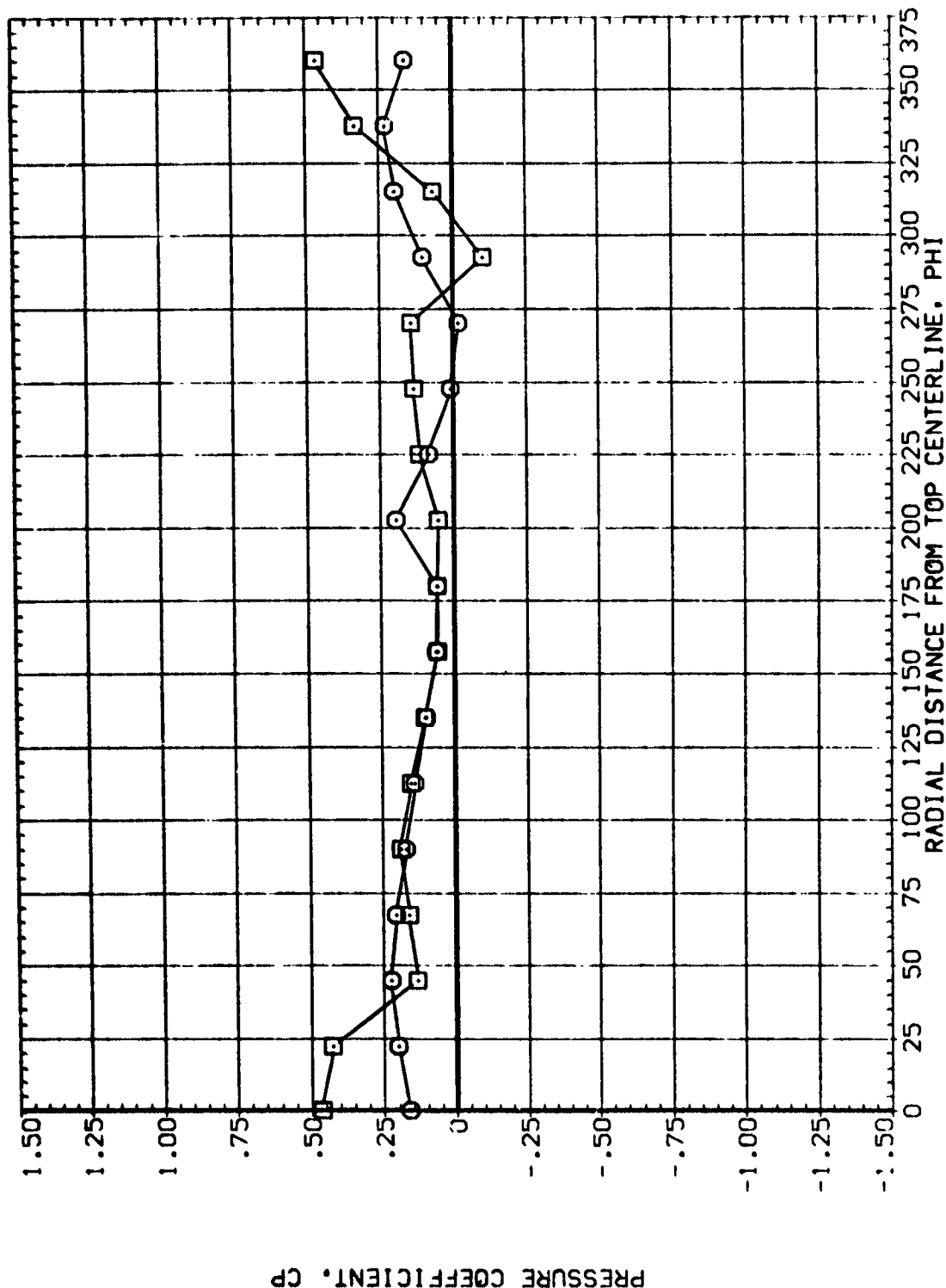
SYMBOL	X/L S	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	CONF 16	CONF 17	CONF 18
□	.549	-4.000	1.960	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
◇	.657			2.549	.972	.000		X-SRB			.500
△	.765										
▽	.883										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

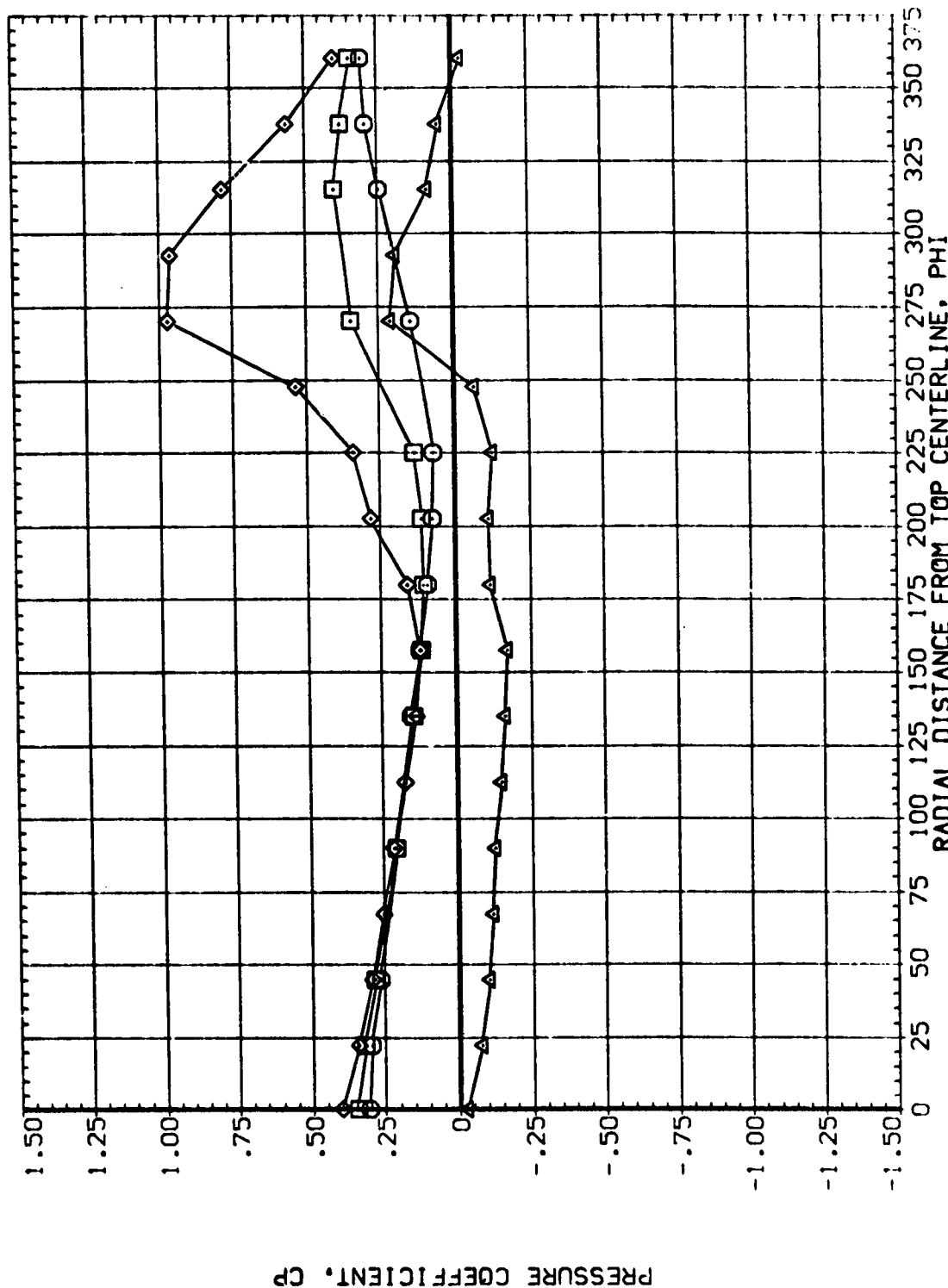
SYMBOL	XALS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XPRP	SG.IN.	ALPHA	DELTAZ	CONFIS
○	.912	-4.000	1.960	6.198	5.313	5.313	2.549	IN.	.140	RUDDER	.000
□	.955			.972	.000			IN.	.000	DEBINC	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

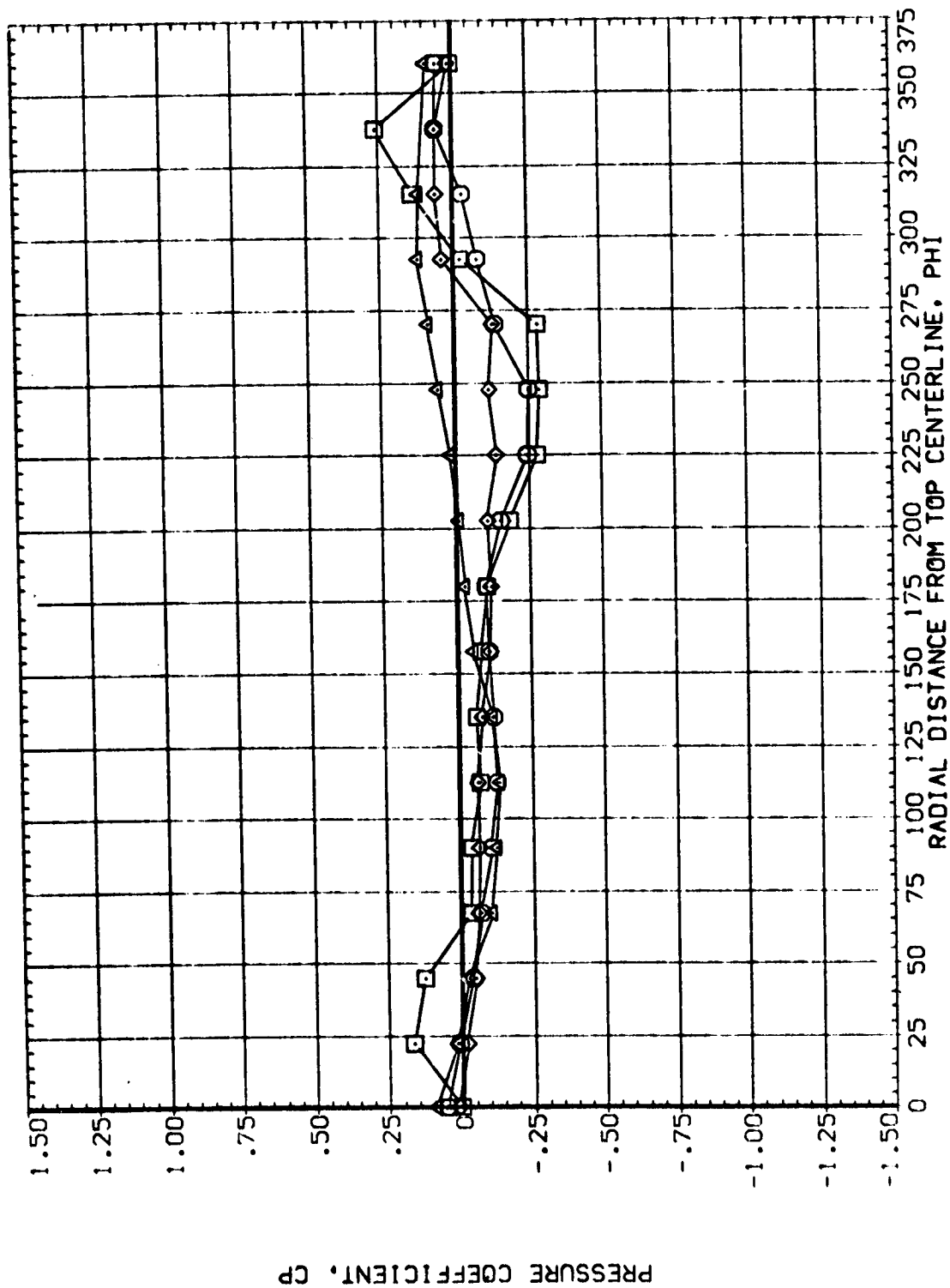
SYMBOL	X/L5	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SG. IN.	ALPHA	DELTAZ	CONF IG
○	.043	.000	1.960	6.198	5.313	5.313	2.549	IN.	5.000	.140	RUDDER
□	.072	.000	1.960	6.198	5.313	5.313	2.549	IN.	5.000	.140	ORIGIN
◇	.101	.000	1.960	6.198	5.313	5.313	2.549	IN.	5.000	.140	ORIGIN
△	.116	.000	1.960	6.198	5.313	5.313	2.549	IN.	5.000	.140	ORIGIN



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

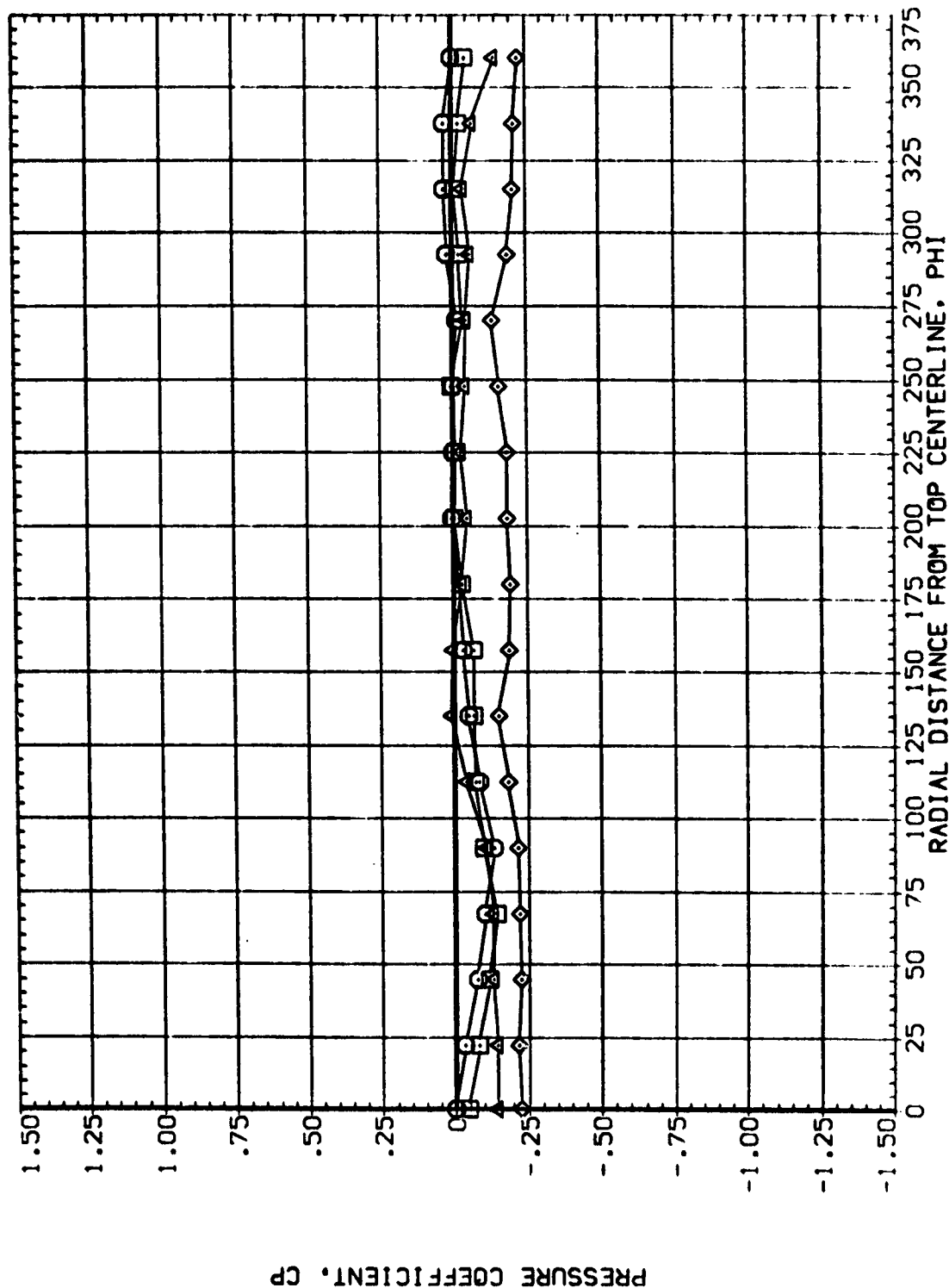
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	CONF1G	RUDDER	ORBIT
○	.152	.000	1.960	6.198	5.313	5.313	2.549	DELTAZ	-5.000	.140	.000
□	.224							X-SRB	.000	.000	.500
◇	.332										
△	.440										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

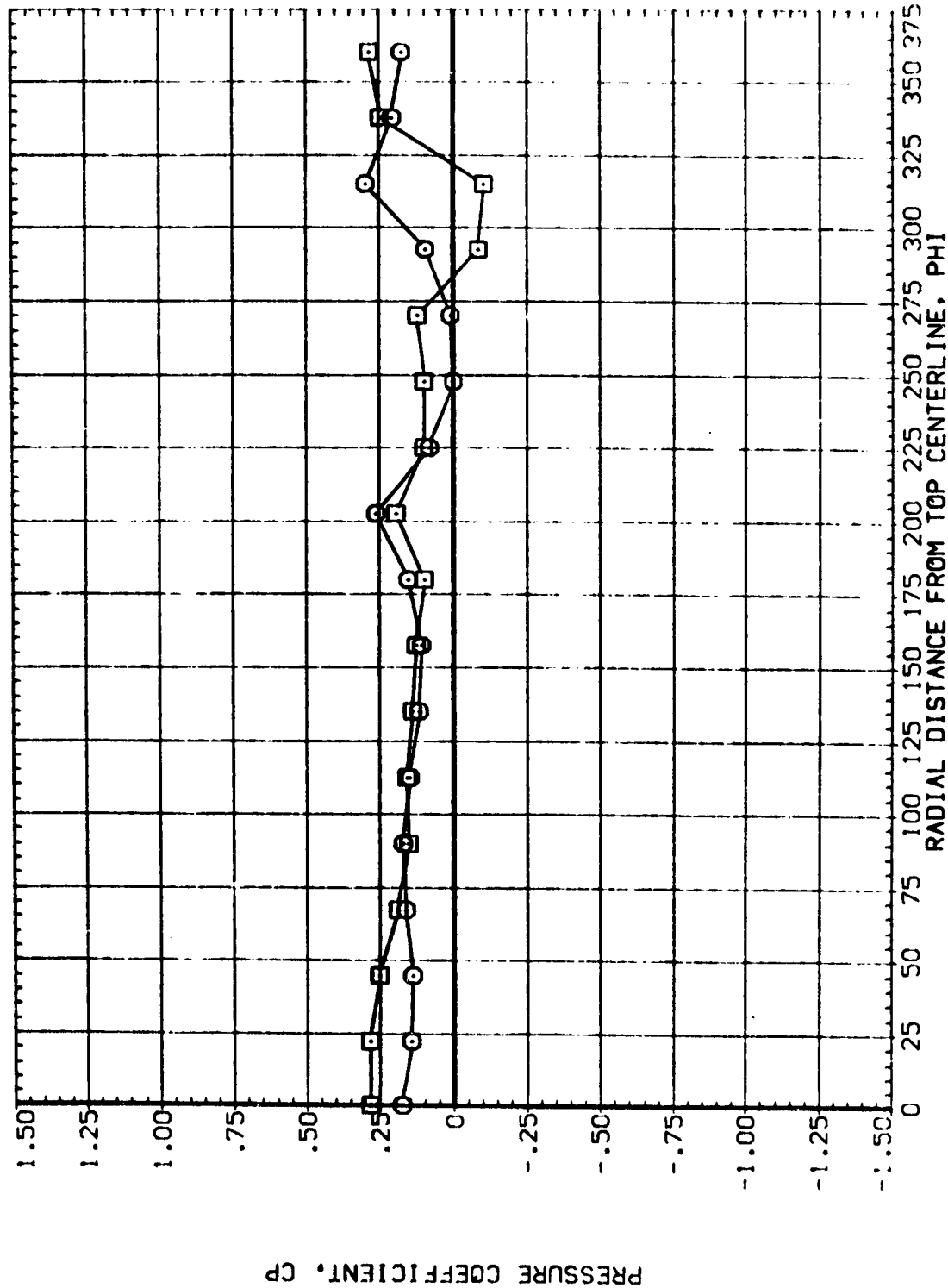
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
□	.549	.000	1.960	SREF 6.198	-5.000 CONF 16
◇	.657			LREF 5.313	.140 RUDDER
△	.765			BREF 5.313	.000 ORBINC
	.883			YREF 2.549	
				ZREF .972	
					.000
					.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

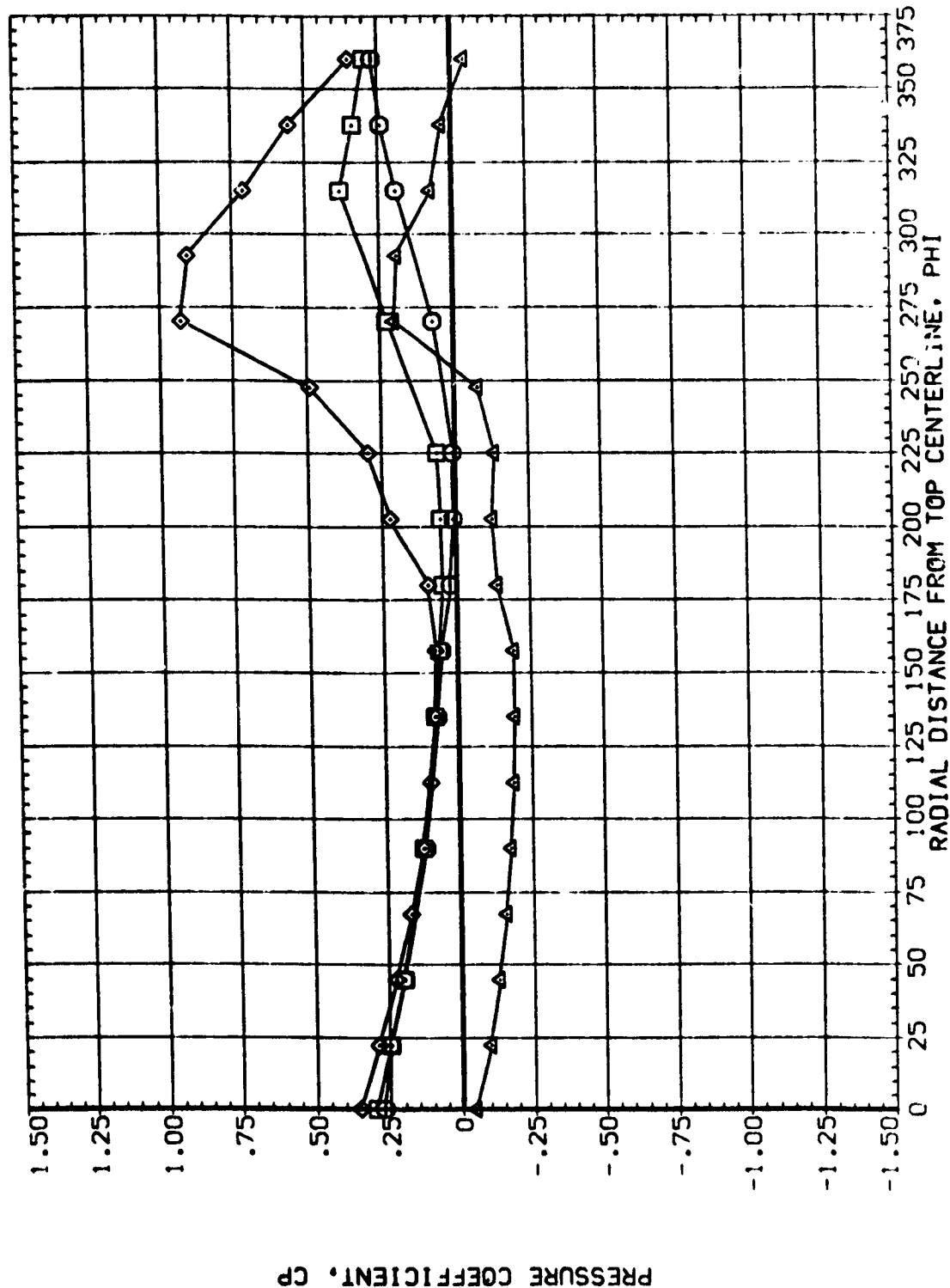
SYMBOL	X/S	BETA	HMOY	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SD.IN.	ALPHA	CONFIG		
□	.912	.000	1.960	5.313	IN.	DELTAZ	-5.000	RUDDER	90.000
○	.955			2.313	IN.	X-SRB	.140	DRBINC	.000
				2.549	IN.		.000		.500
				.972	IN.				
				.000	IN.				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

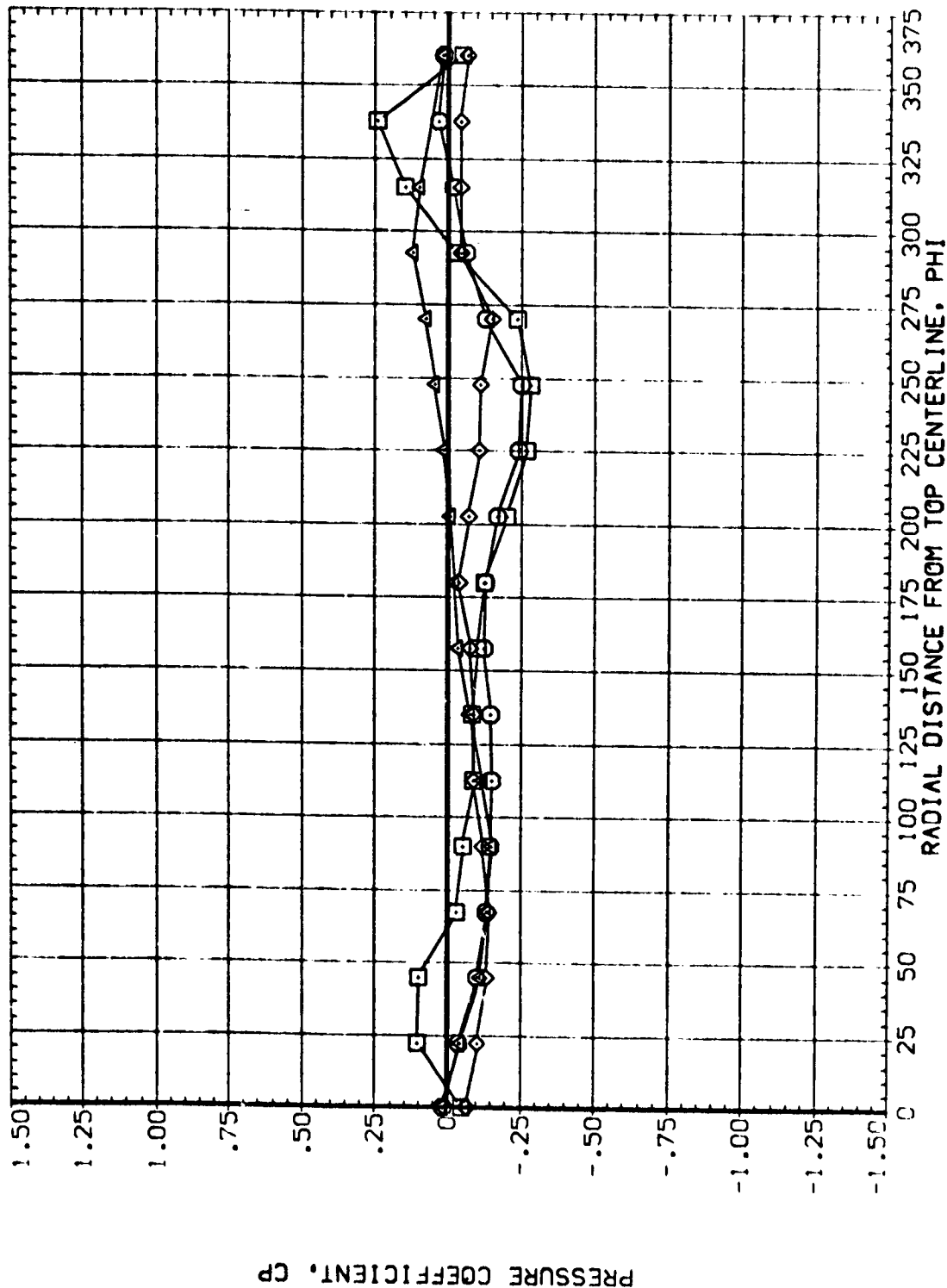
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LINEF	BREF	XREF	ALPHA	CONFIG	RUDDER	ORBIT
○	.043	4.000	1.360	6.198	5.313	5.313	2.549	DELTA Z	.140	.000	.500
□	.072						.972	X-SRB			
◇	.101						.000				
△	.116						.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82504)

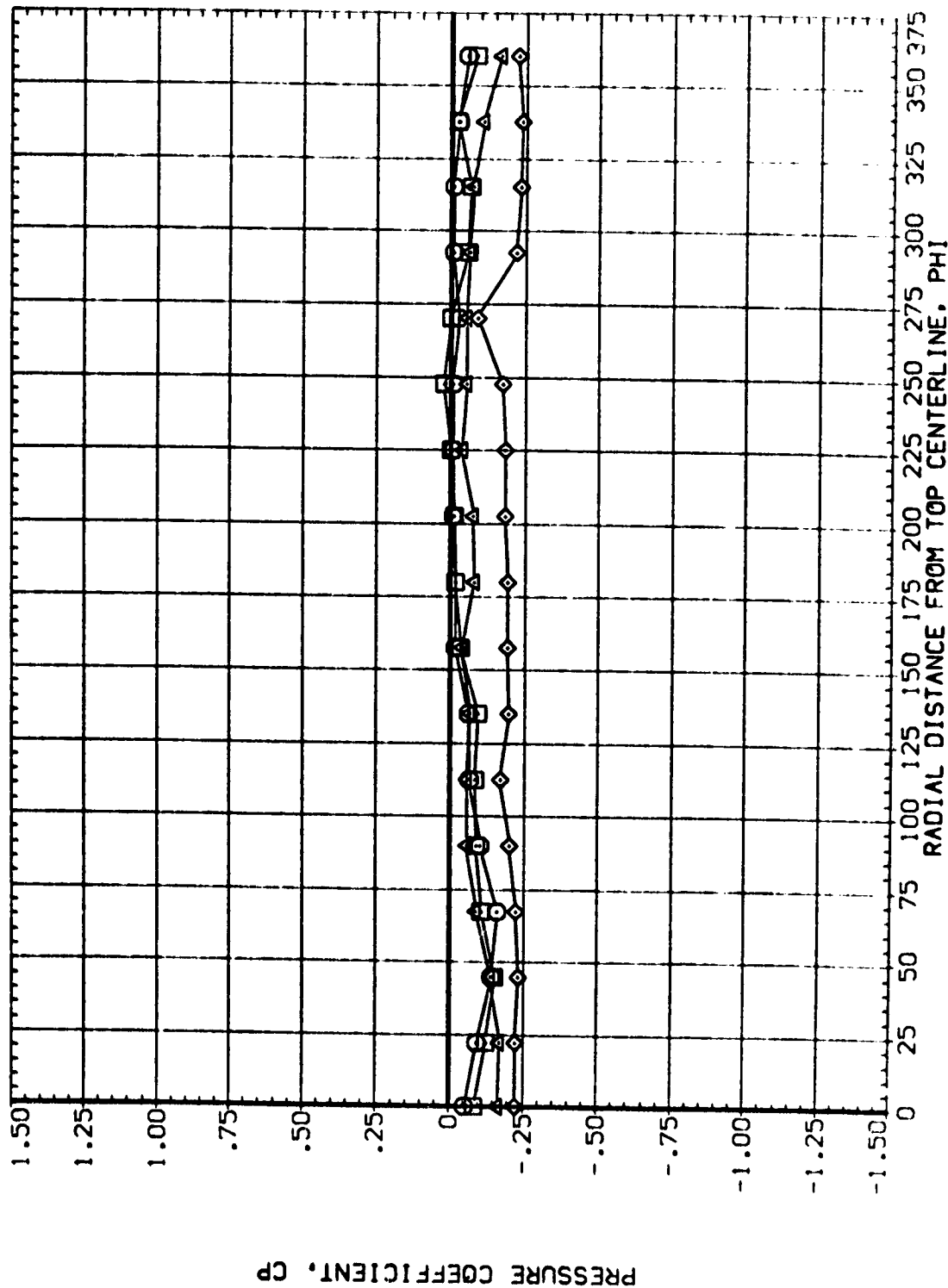
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.152	4.000	1.960	SREF 5.198	-5.000 CONFIS 90.000
□	.224			LREF 5.313	.140 RUDDER .000
◇	.332			BREF 5.313	.000 ORBINC .500
△	.440			XPRP 2.549	
				YPRP .972	
				ZPRP .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

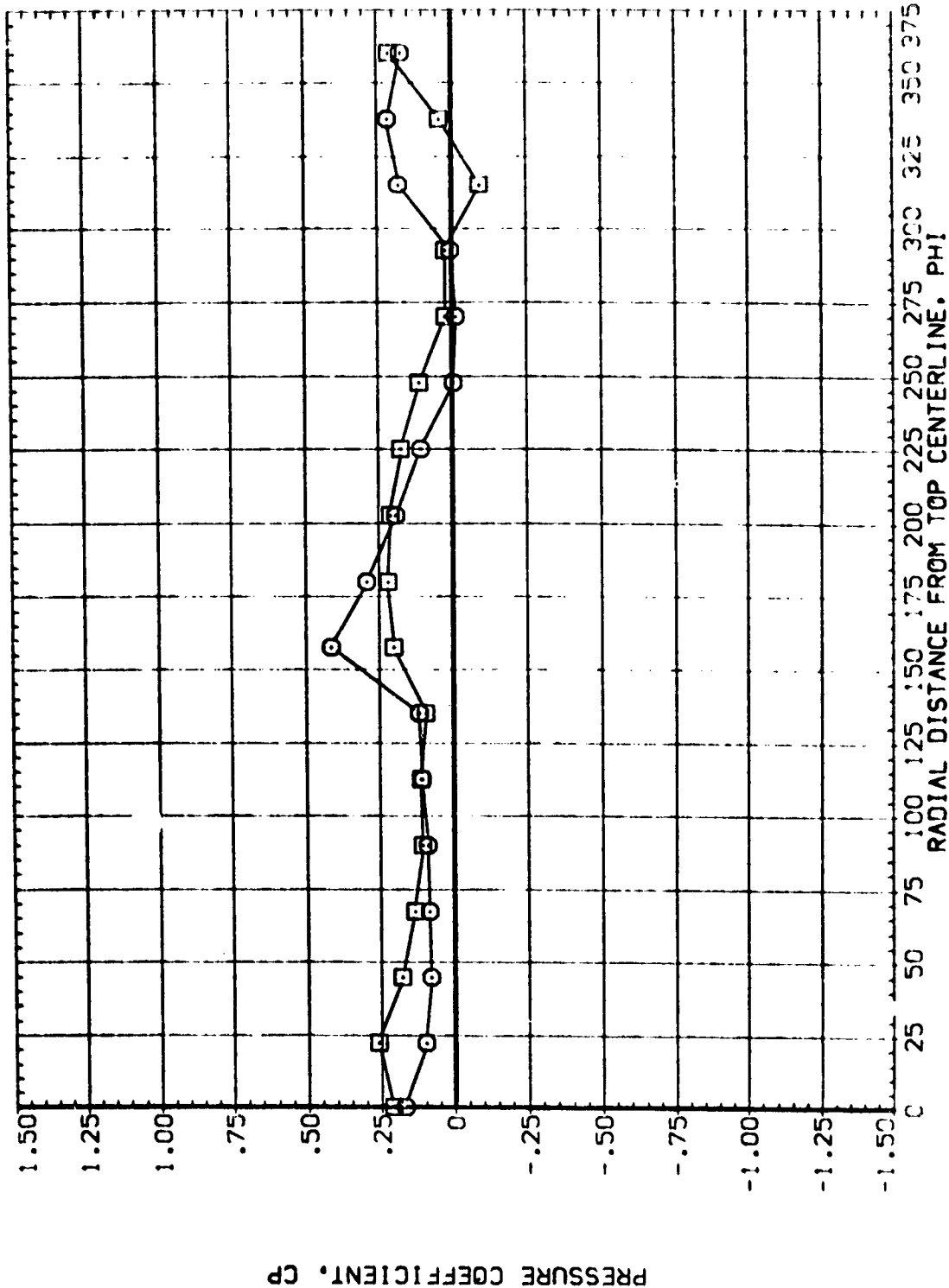
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTAZ
□	.549	4.000	1.960	6.198	5.313	5.313	2.549	.972	.000	-5.000	CONFIG
◇	.657									.140	RUDDER
△	.765									.000	ORIGIN
◇	.883										.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

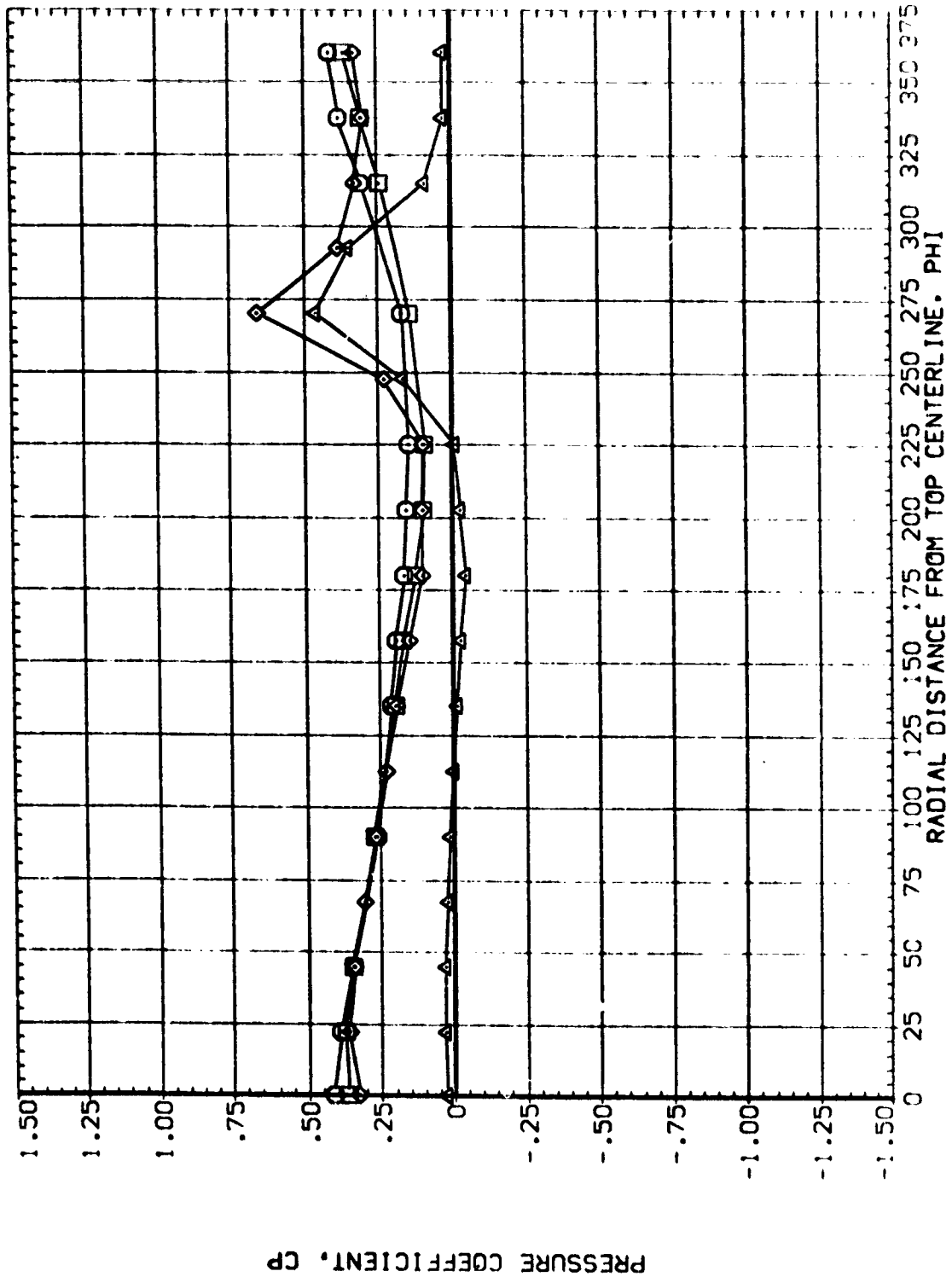
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	CONF IG	RUDDER	ORIGIN
□	.912	4.000	1.960	6.198	5.313	5.313	2.549	DELTA Z	-5.000	.140	.000
○	.955			972	.000			X-SRB	.000	.000	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 C3

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

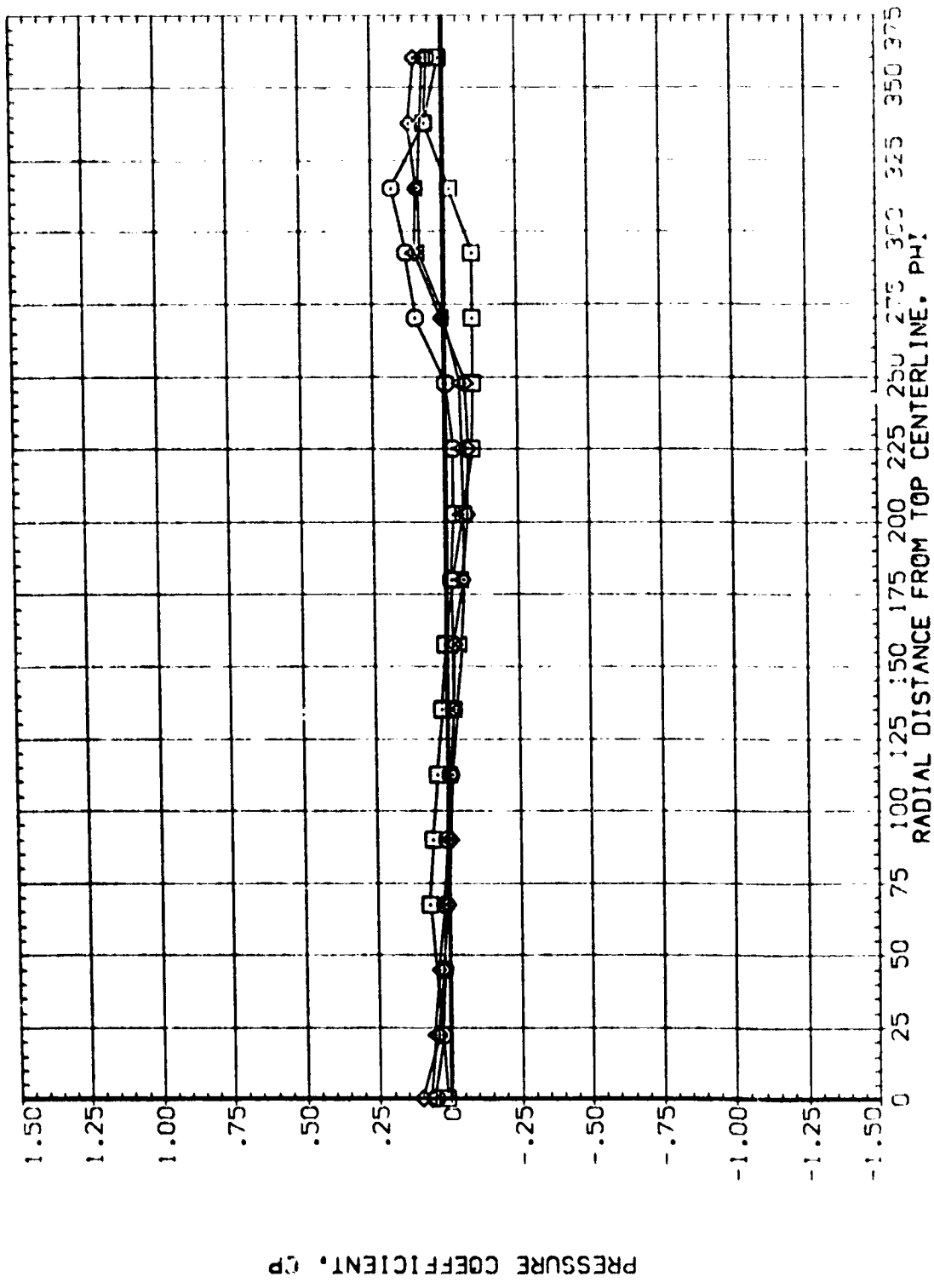
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	ALPHA	-5.000	CONFIG	90.000	
□	.043	-4.000	3.480	LREF	DELTA Z	.140	RUDER	.000	
◇	.072			BREF	X-SRB	.000	DEBINC	.500	
△	.101			YMRP					
▽	.116			ZMRP					



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

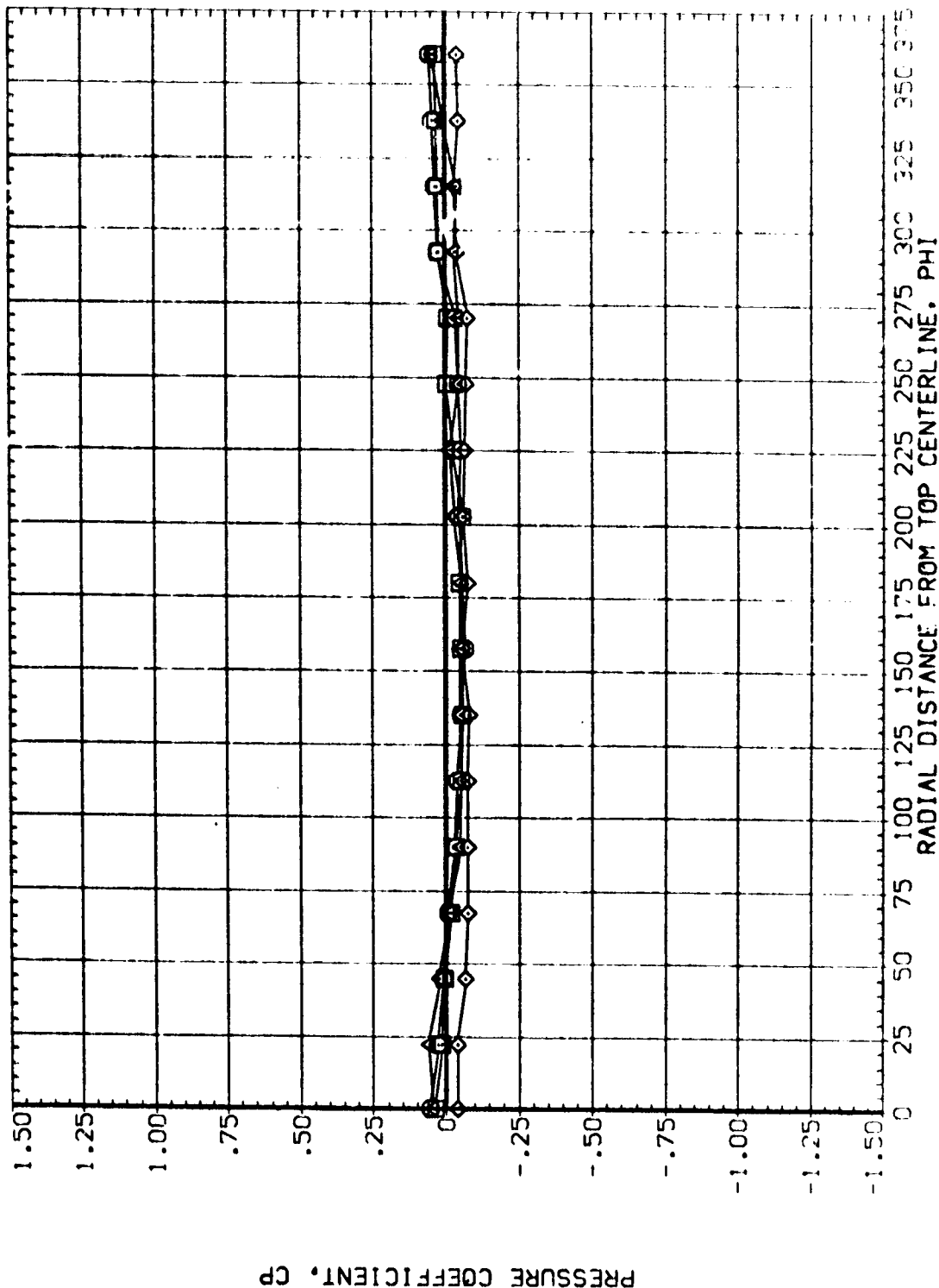
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	SO.IN.	ALPHA	CONFIS	RUDDER	
○	.152	-4.000	3.480	LREF	5.313	DELTAZ	.140	.000	90.000
□	.224			BREF	5.313	X-SRB	.000	.000	.000
◇	.332			XMRP	2.549			.000	.500
△	.440			ZMRP	.572				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

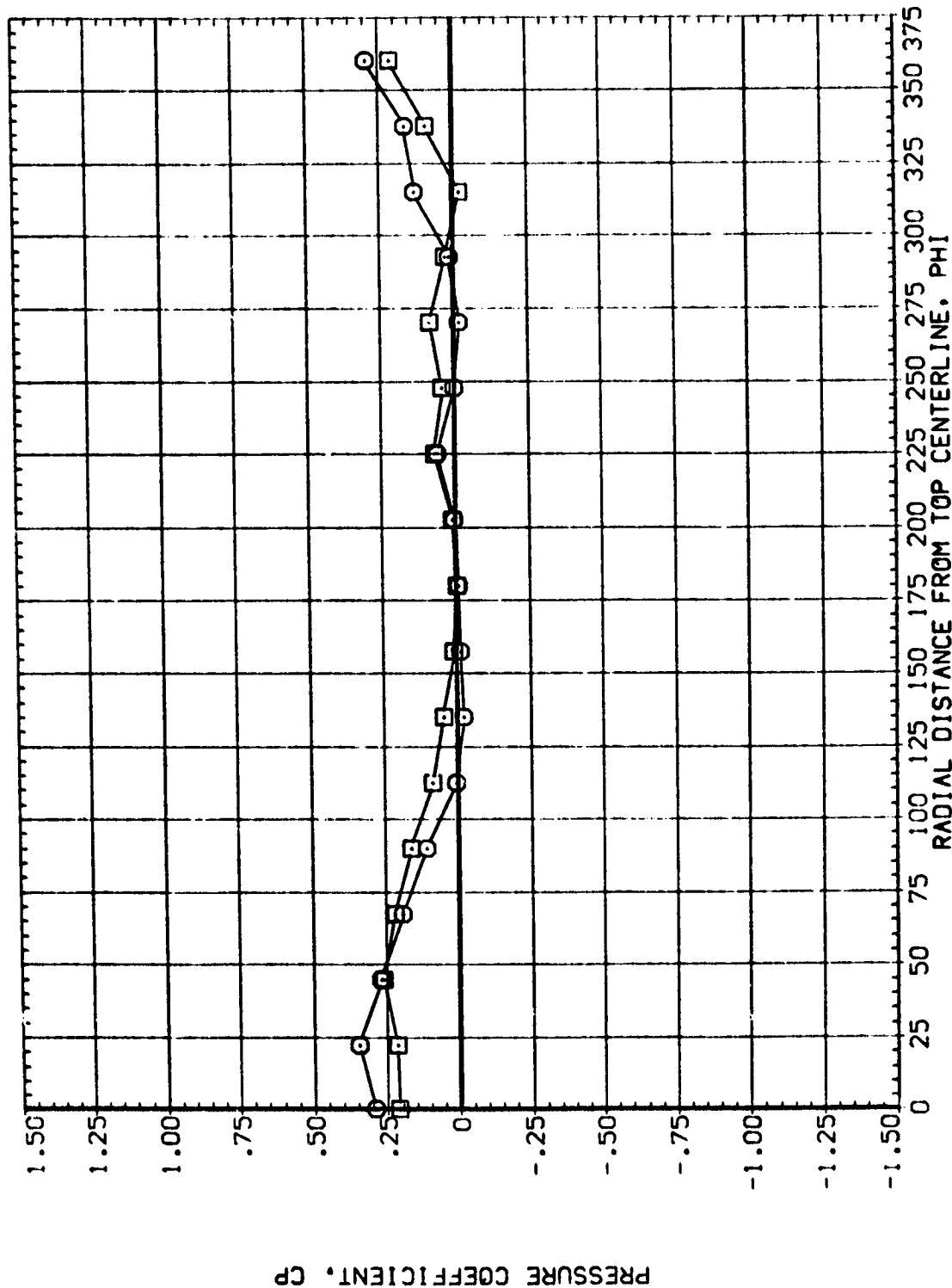
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
□	.549	-4.000	3.480	SREF 6.198	-5.000 CONF 16 90.000
◇	.657			LREF 5.313	.140 RUDDER .000
◇	.765			BREF 5.313	.000 ORB INC .500
△	.883			YMRP 2.549	
				ZMRP .972	
					.000 IN.



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

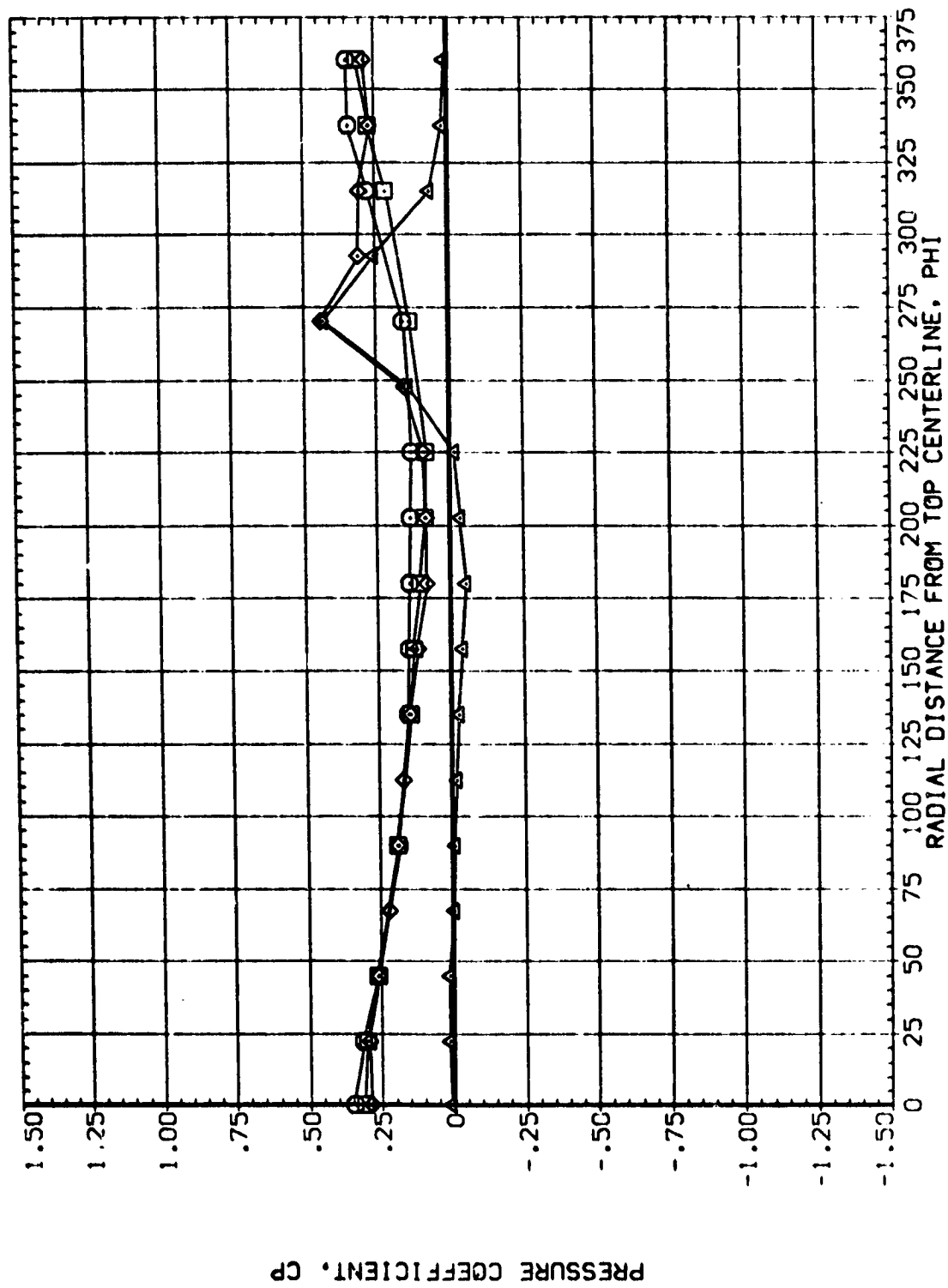
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	DELTAZ	CONF IG	90.000
○	.912	-4.000	3.480	6.198	5.313	5.313	2.549	.140	RUDER	.000	.000
□	.955			.972			.000	X-SRB	CRBINC	.500	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

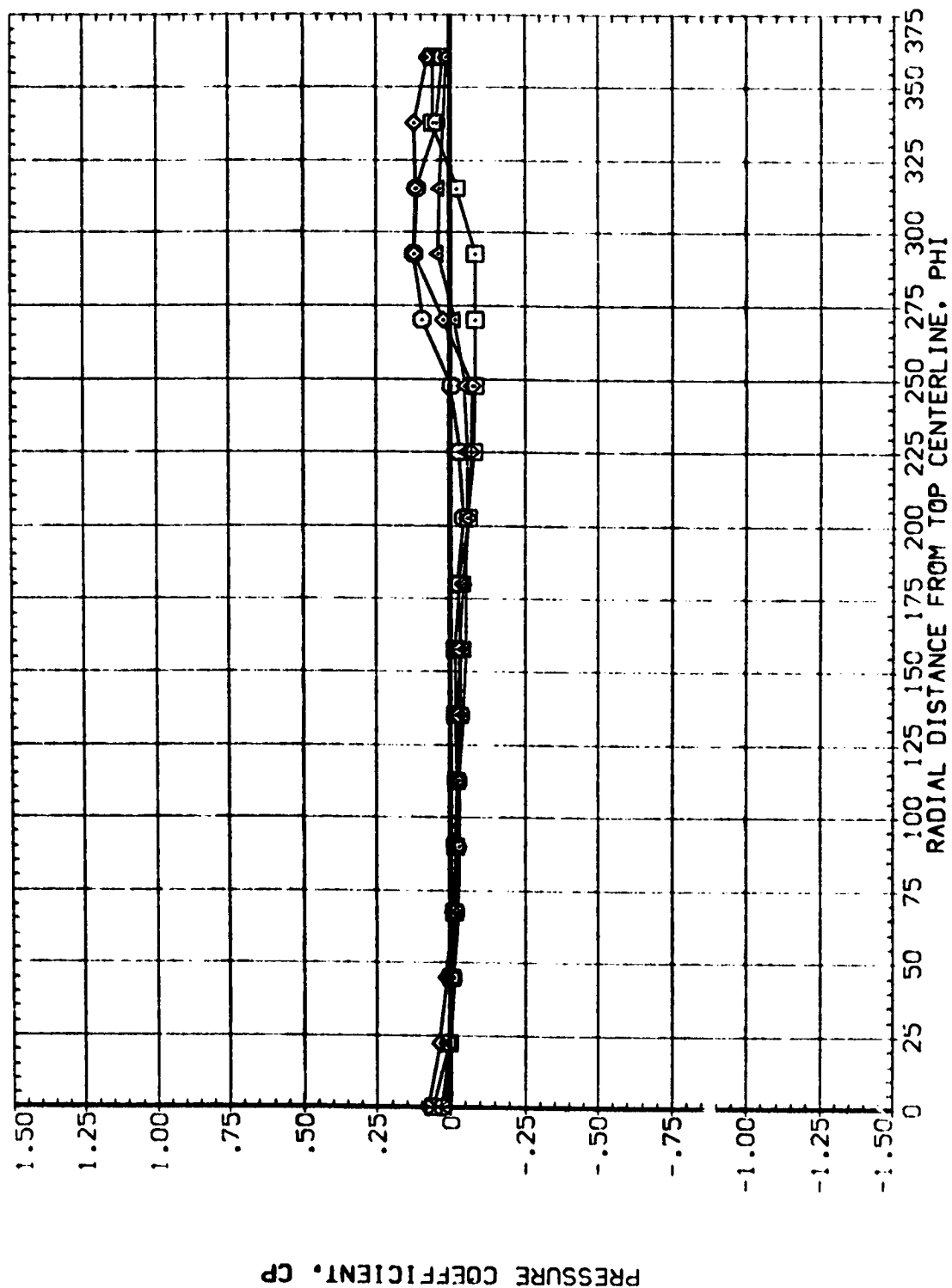
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	ALPHA	-5.000	CONF IG	90.000
○	.043	.000	3.480	LREF	5.313	DELTA Z	.140	RUDDER	.000
□	.072			BREF	5.313	X-SRB	.000	ORBIT	.500
◇	.101			YMRP	2.549				
△	.116			ZMRP	.972				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

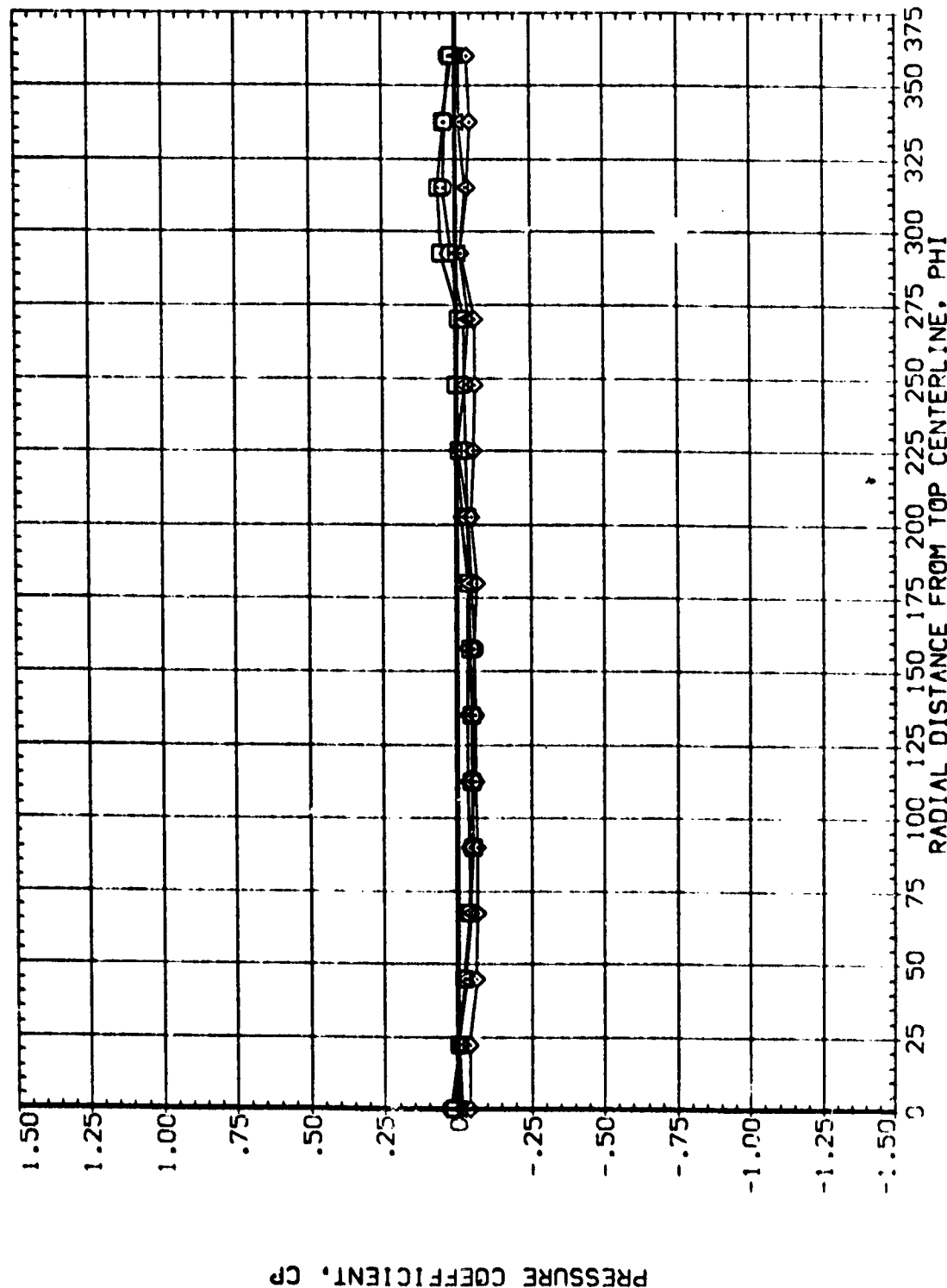
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	ALPHA	DELTAZ	CONF IG	
○	.152	.000	3.480	6.198	5.313	5.313	.572	X-SRB	.000	SRB INC	.500
□	.224								.140	RUDDER	.000
◇	.332										
△	.440										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

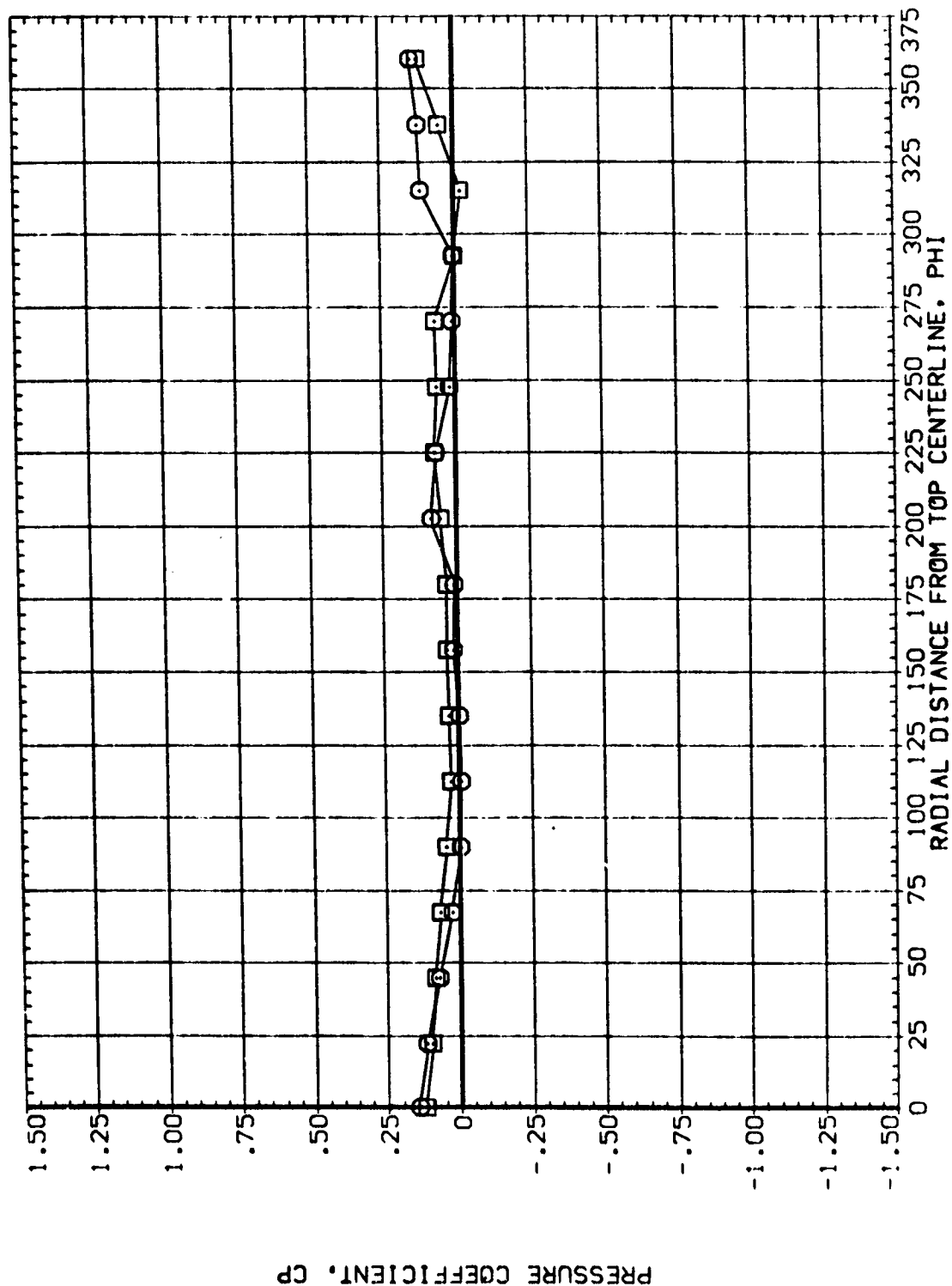
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	ALPHA	-5.000	CONFIG	90.000
□	.549	.000	3.480	LREF	DELTA Z	.140	RUDDER	.000
○	.657			BREF	X-SRB	.000 <th>ORBITAL</th> <th>.500</th>	ORBITAL	.500
◇	.765			XMRP				
△	.883			YMRP				
				ZMRP				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

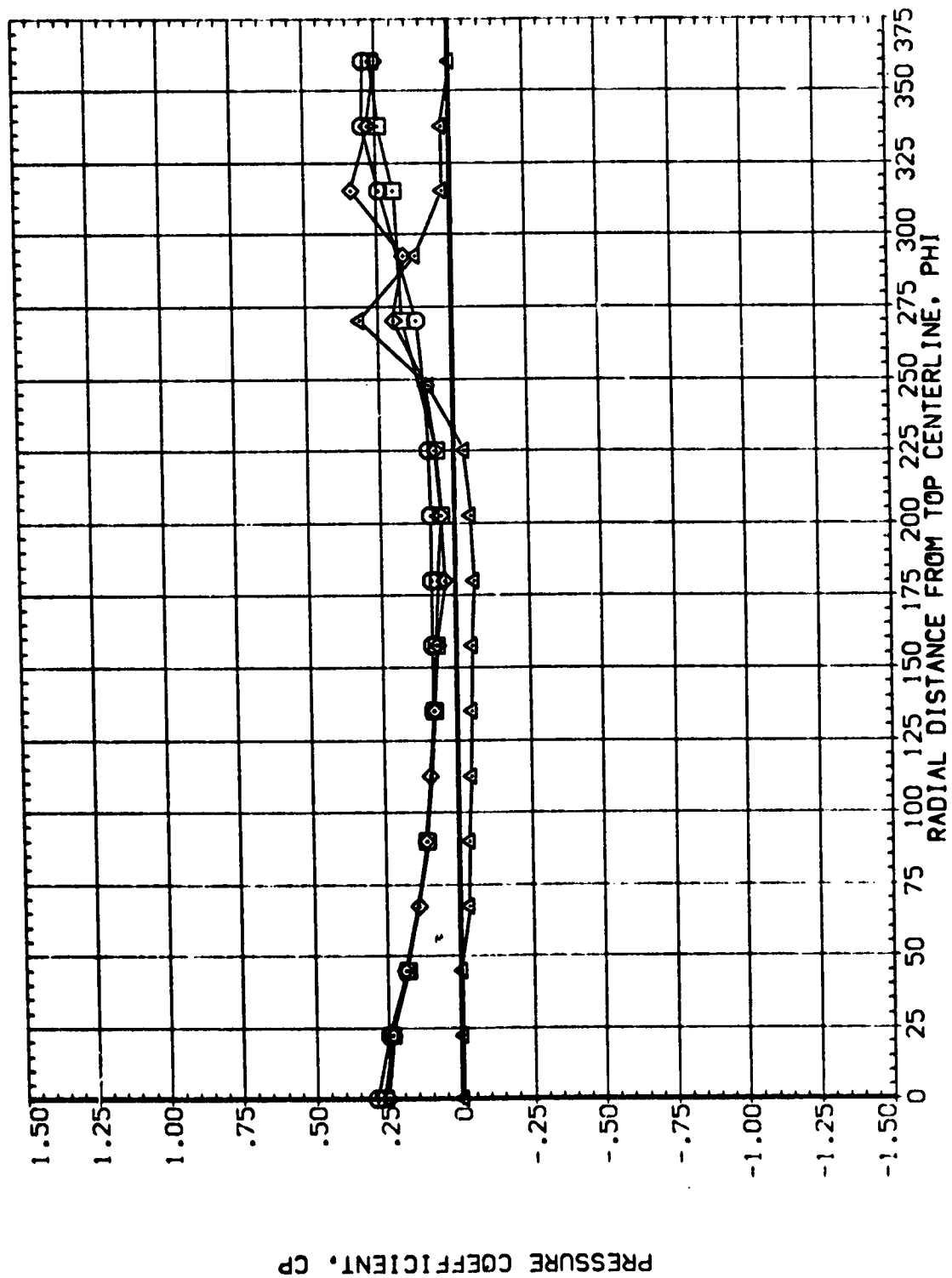
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTA Z
□	.912	.000	3.480	6.198	5.313	5.313	2.549	.972	.000	50. IN.	50. IN.
○	.955									.140	RUDER
										.000	ORB INC
										.000	
										.500	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

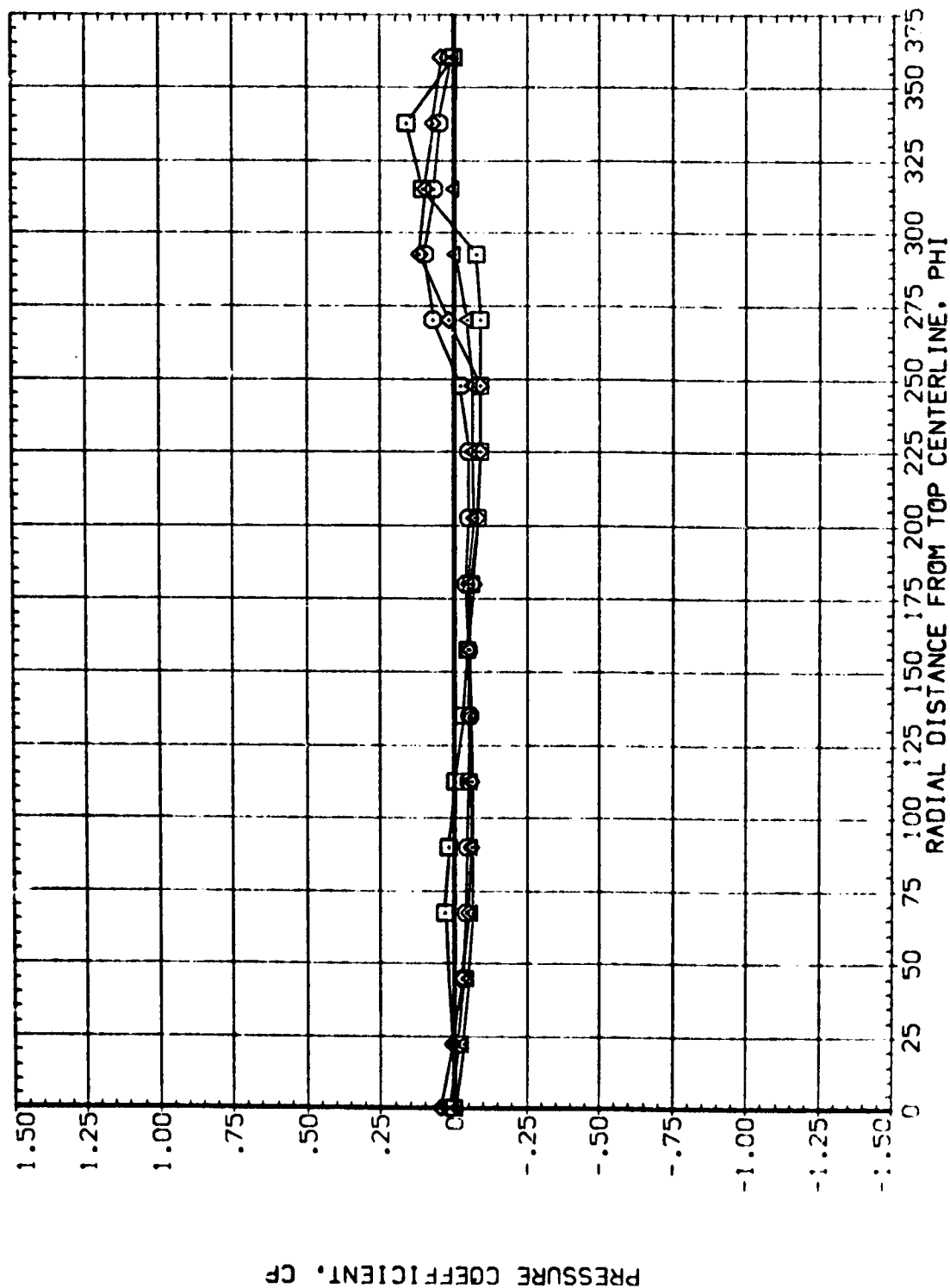
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	6.198	SD. IN.	ALPHA	-5.000	CONF 16	90.000	
□	.043	4.000	3.480	LREF	5.313	IN.	DELTA Z	.140	RUDDER	.000	
□	.072			BREF	5.313	IN.	X-SRB	.000	ORBIT	.500	
◇	.101			YMRP	2.549	IN.					
	.116			ZMRP	.972	IN.					
					.000	IN.					



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

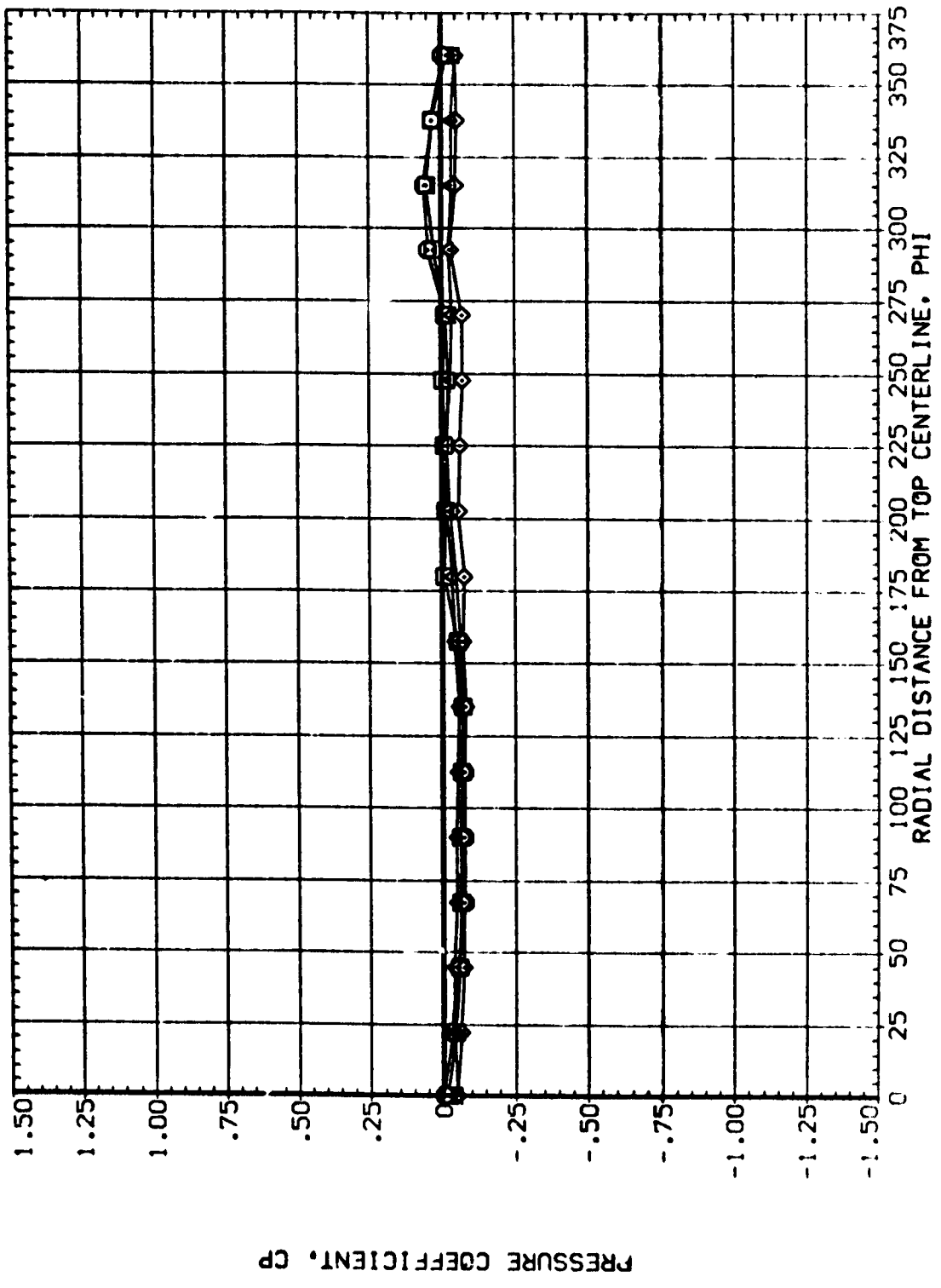
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	50. IN.	ALPHA	CONF IG	90.000
△	.152	4.000	3.480	6.198	5.313	5.313	2.549	IN.	DELTA Z	RUCER	.000
□	.224			.572				IN.	X-SRB	ORBINC	.500
◇	.332										
▽	.440										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

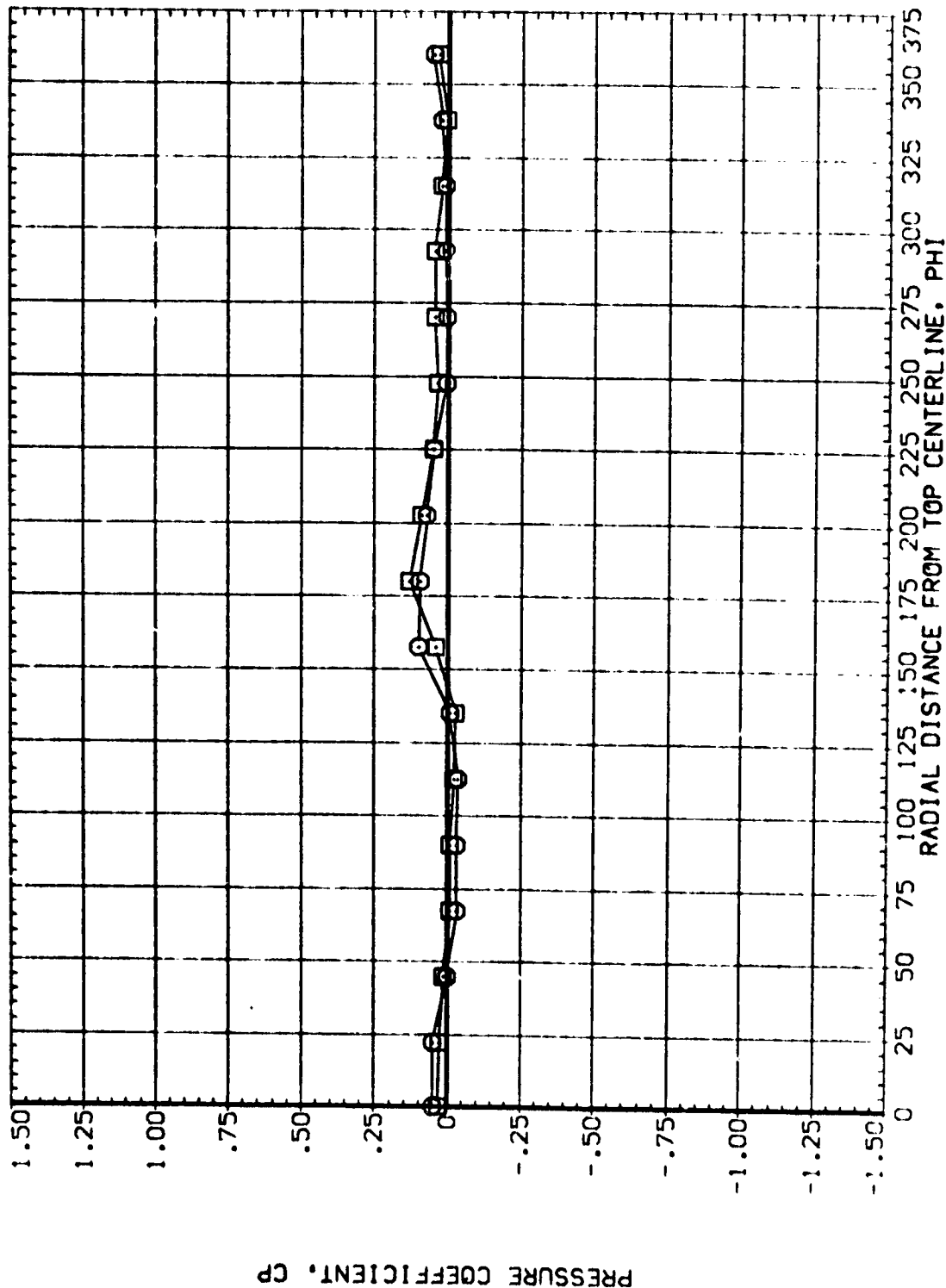
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LBREF	DBREF	YMRP	SO, IN.	ALPHA	CONF IG	
○	.549	4.000	3.480	6.198	5.313	2.549	.972	IN.	DELTA Z	.140	RUDER
□	.657							IN.	X-SRB	.000	ORBIT INC
◇	.765							IN.			
△	.883							IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 SRM BOOSTER (A82S04)

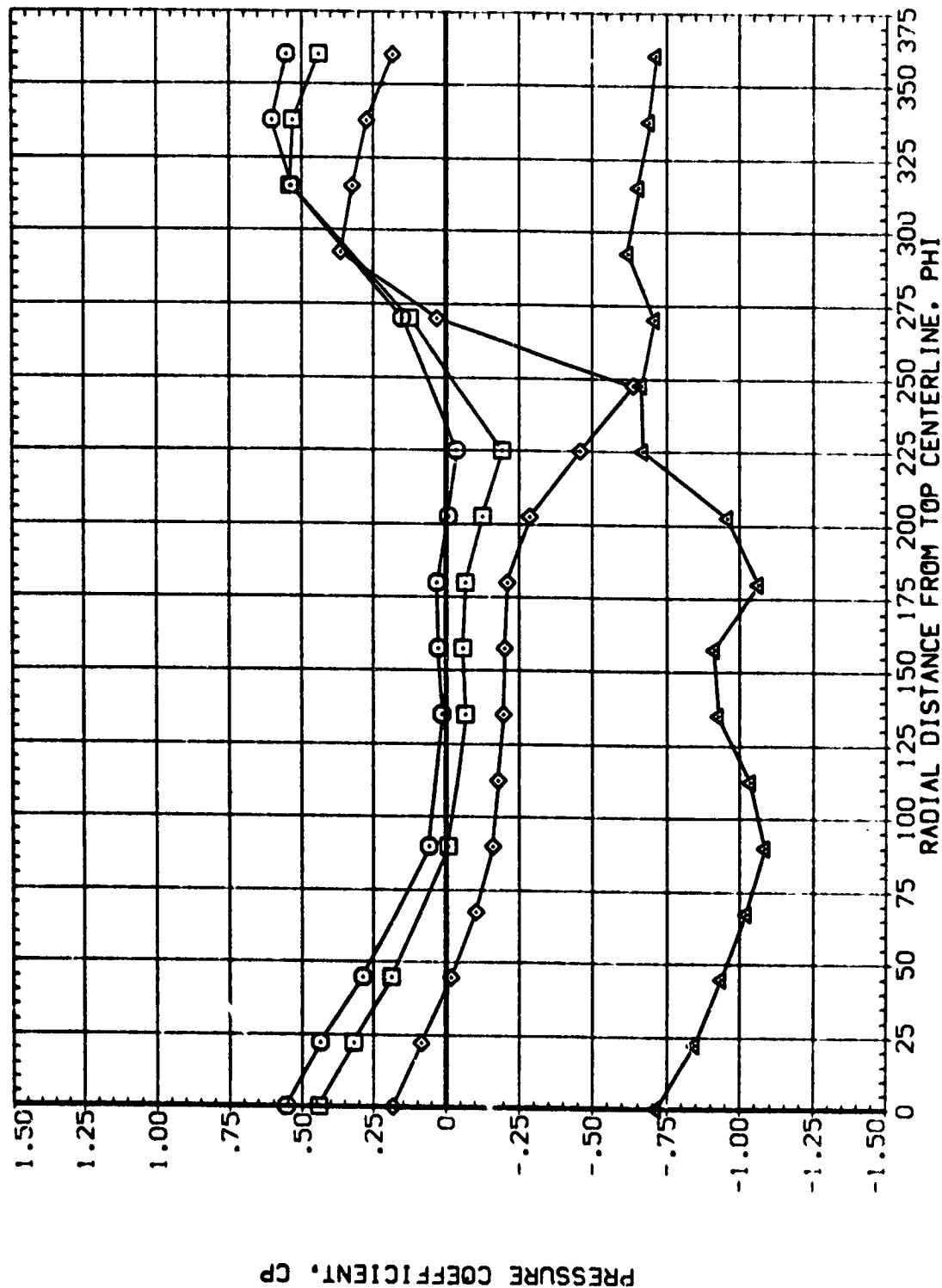
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SD, IN.	ALPHA	CONF IG	50,000
□	.912	4.000	3.480	5.198	5.313	5.313	2.549	IN.	DELTA Z	RUDDER	.000
	.955						.972	IN.	X-SRB	ORBITAL	.500
							.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

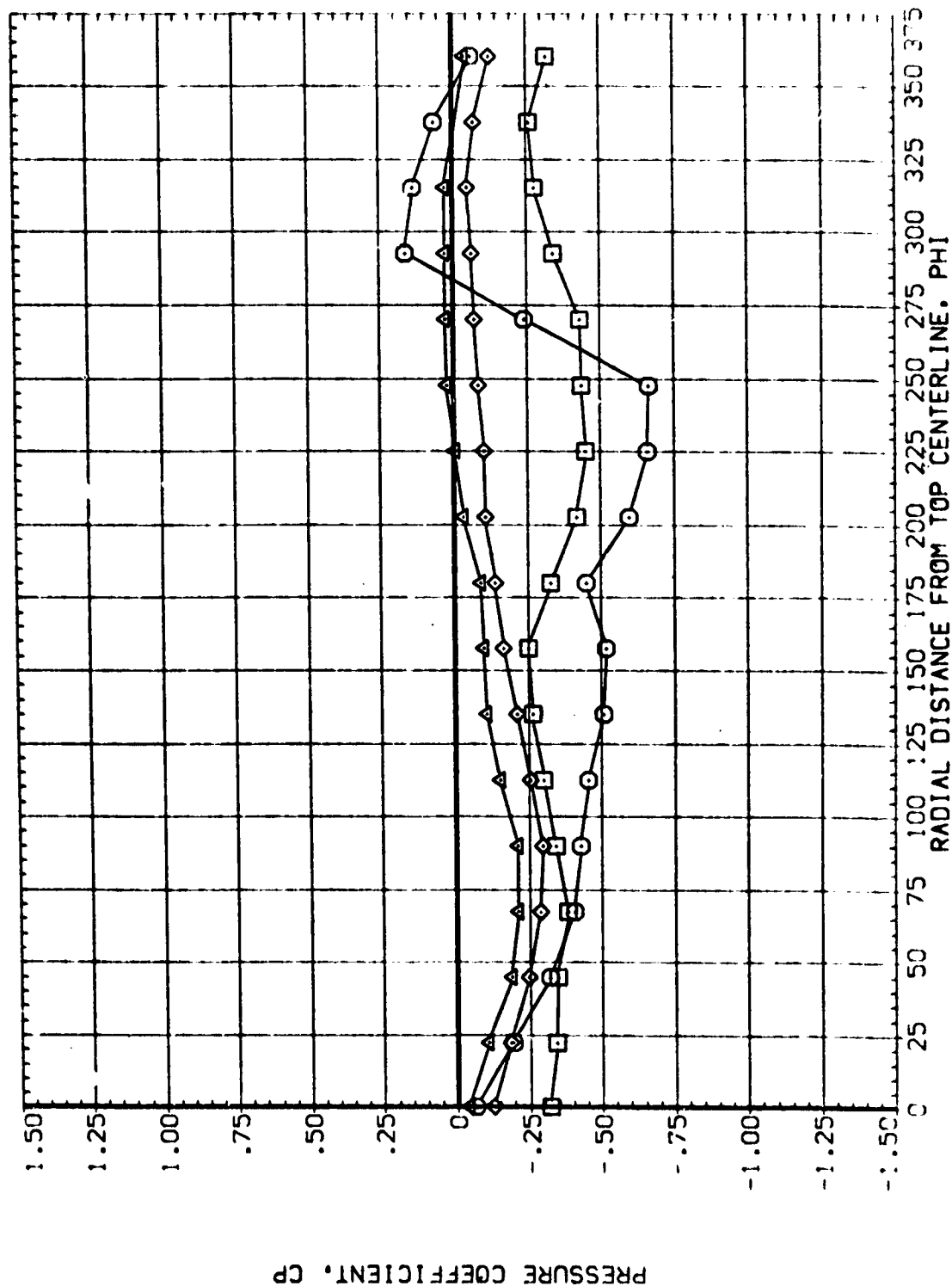
SYMBOL	X/L/S	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LNREF	BRF	YREF	BETA	DELTAZ	CONF16	90.000
○	.043	-8.000	.900	6.198	5.313	5.313	.000	.140	RUDDER	.000	.000
□	.072			2.549	2.549	2.549	.972	X-SRB	ORBIT/INC	.000	.500
◇	.101										
△	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

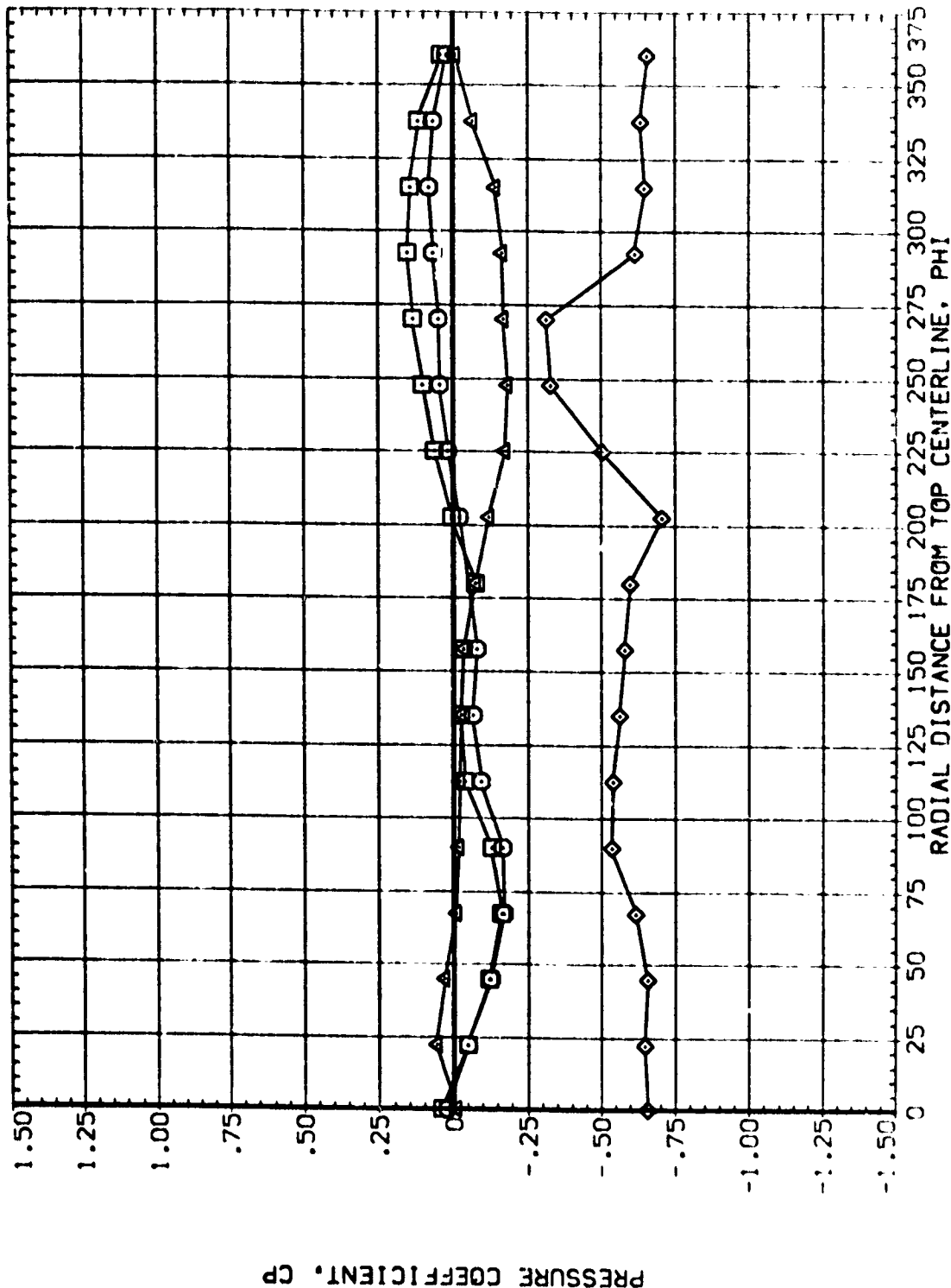
SYMBOL	X/L/S	ALPHA	MACH	REFERENCE DATA	SO. IN.	BETA	PARAMETRIC VALUES
	.152	-8.000	.900	SREF 6.198	IN.	CONFIS .000	90.000
	.224			LREF 5.313	IN.	RUDER .140	.000
	.332			BREF 5.313	IN.	X-SRB .000	.500
	.440			XMRP 2.549	IN.		
				YMRP .972	IN.		
				ZMRP .000	IN.		



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER 19 S3/2 S3/2 03 US

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82505)

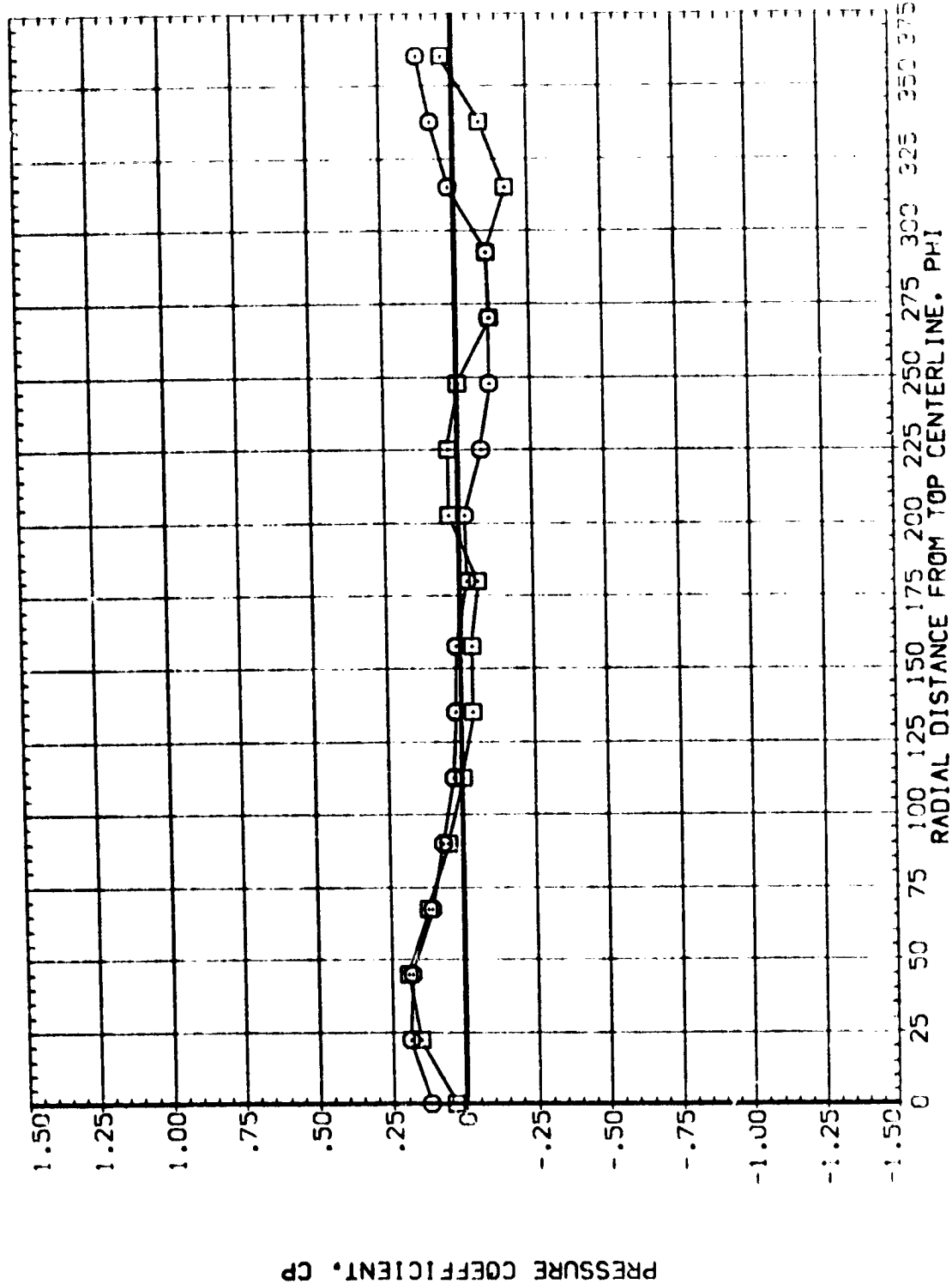
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				SREF	BETA	CONF16	
□	.549	-8.000	.900	6.198	DELTA Z	.000	90.000
◇	.657			5.313	X-SRB	.140	.000
△	.765			2.549		.000	.500
	.883			.972			
				.000			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

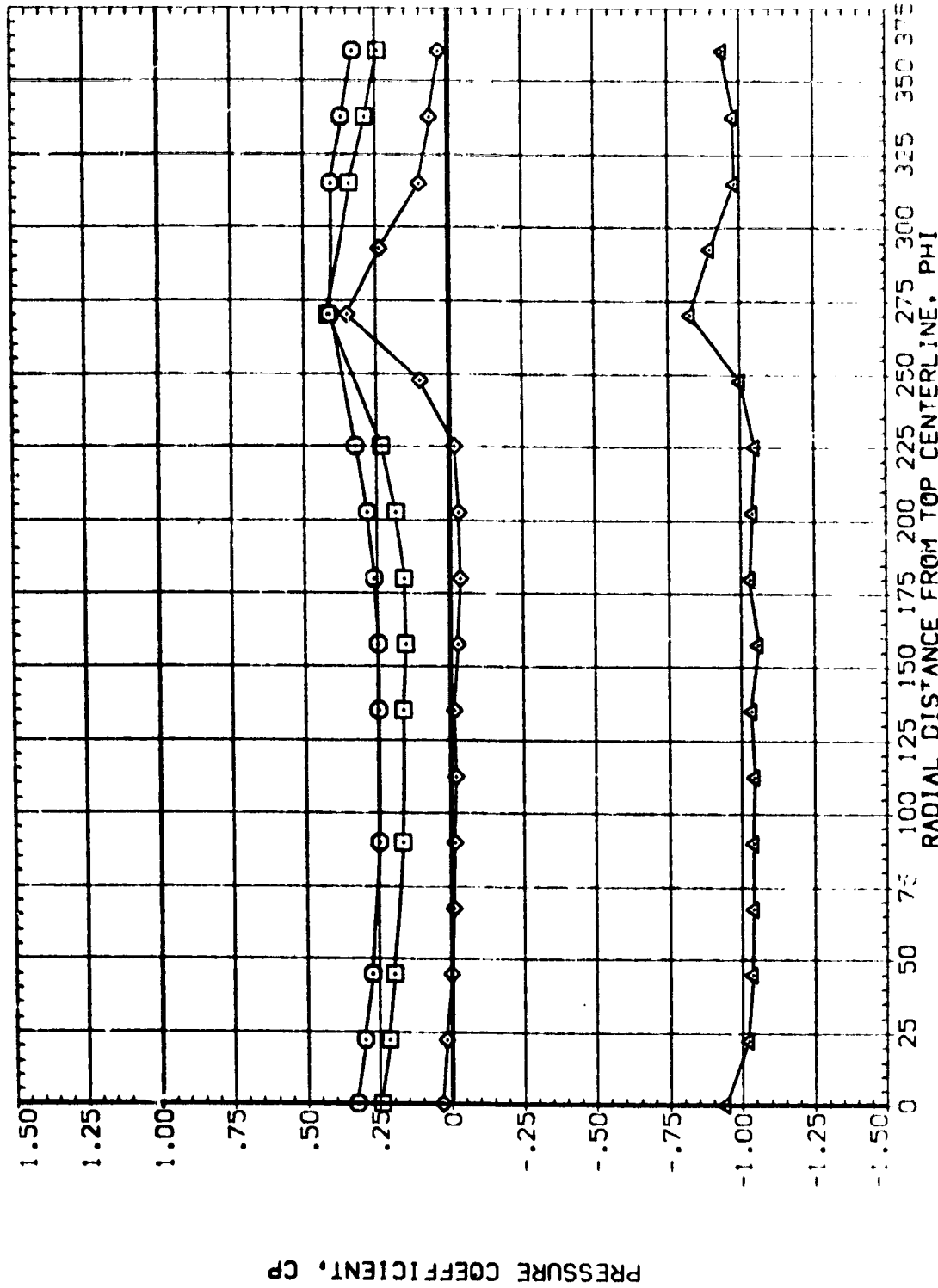
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	BETA	CONFIS	90.000	
	.912	-8.000	.900	LREF	5.313	DELTAZ	.140	RUDDER	.000
	.955			BREF	5.313	X-SRB	.000	SRB INC	.500
				XMRP	2.549				
				YMRP	.972				
				ZMRP	.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82505)

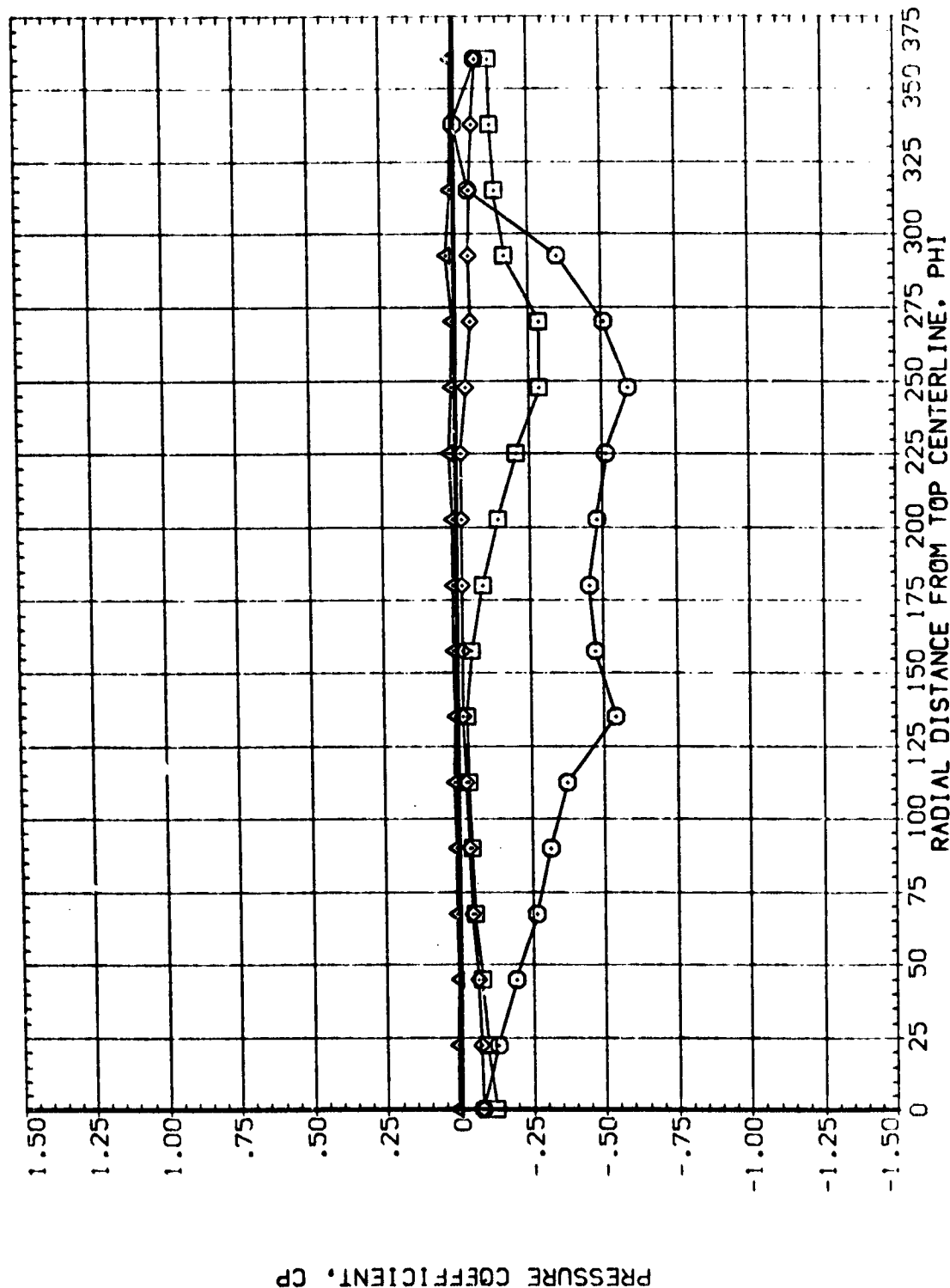
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.043	.000	.900	SREF 6.198	CONF IG 90.000
□	.072	.000	.900	LREF 5.313	BETA .000
◇	.101	.000	.900	BREF 5.313	DELTAZ .140
△	.116	.000	.900	XREF 2.549	RUDER .000
				YREF .972	ORIGIN .500
				ZREF .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

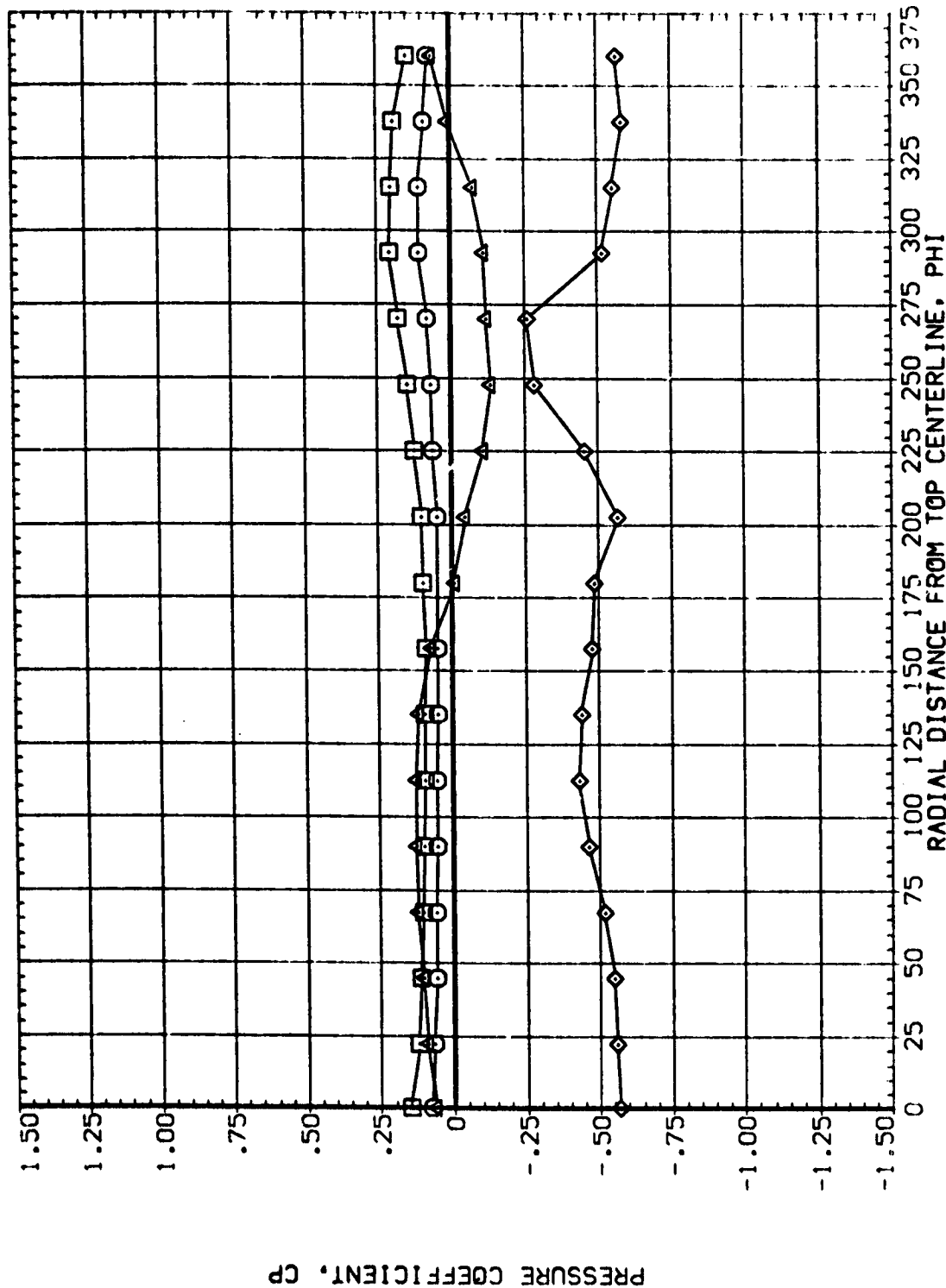
SYMBOL		X/LS		ALPHA		MACH		REFERENCE DATA		BETA		PARAMETRIC VALUES	
△	.152	.000	.900	SREF	6.198	50. IN.						.000	CONF'G
□	.224	.000	.900	LREF	5.313	IN.						.140	RUDER
◇	.332	.000	.900	BREF	5.313	IN.						.000	ORBIT
○	.440	.000	.900	XMRP	2.549	IN.						.000	ORBIT
				YMRP	.572	IN.							
				ZMRP	.000	IN.							



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

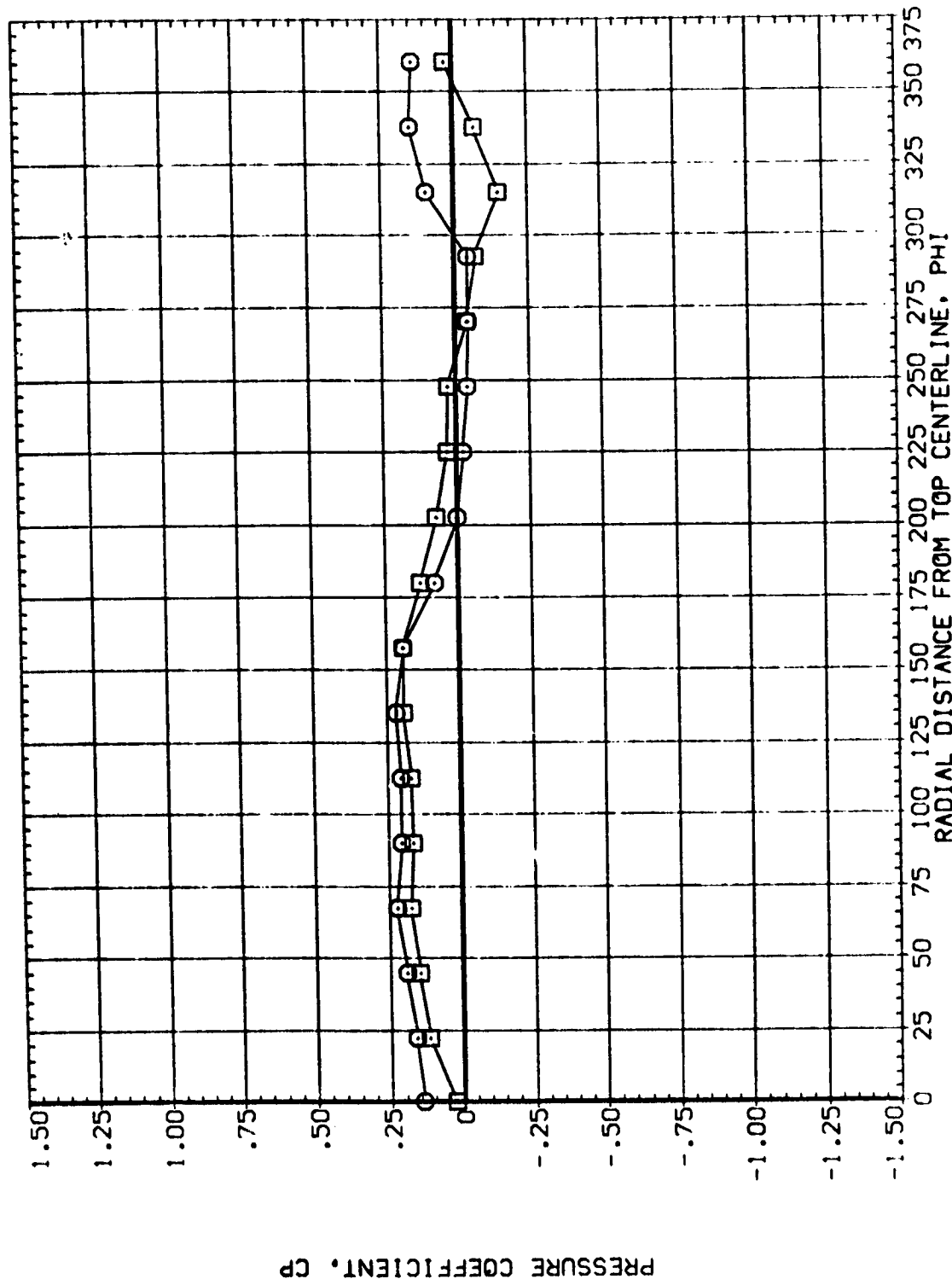
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□	.549	.000	.900	SREF 6.198	CONF 16	.000
○	.657			LREF 5.313	DELTA Z	.000
◇	.765			BREF 5.313	RUDER	.000
△	.883			XREF 2.549	X-SRS	.000
				YREF .572	ORBIT	.500
				ZREF .000		



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

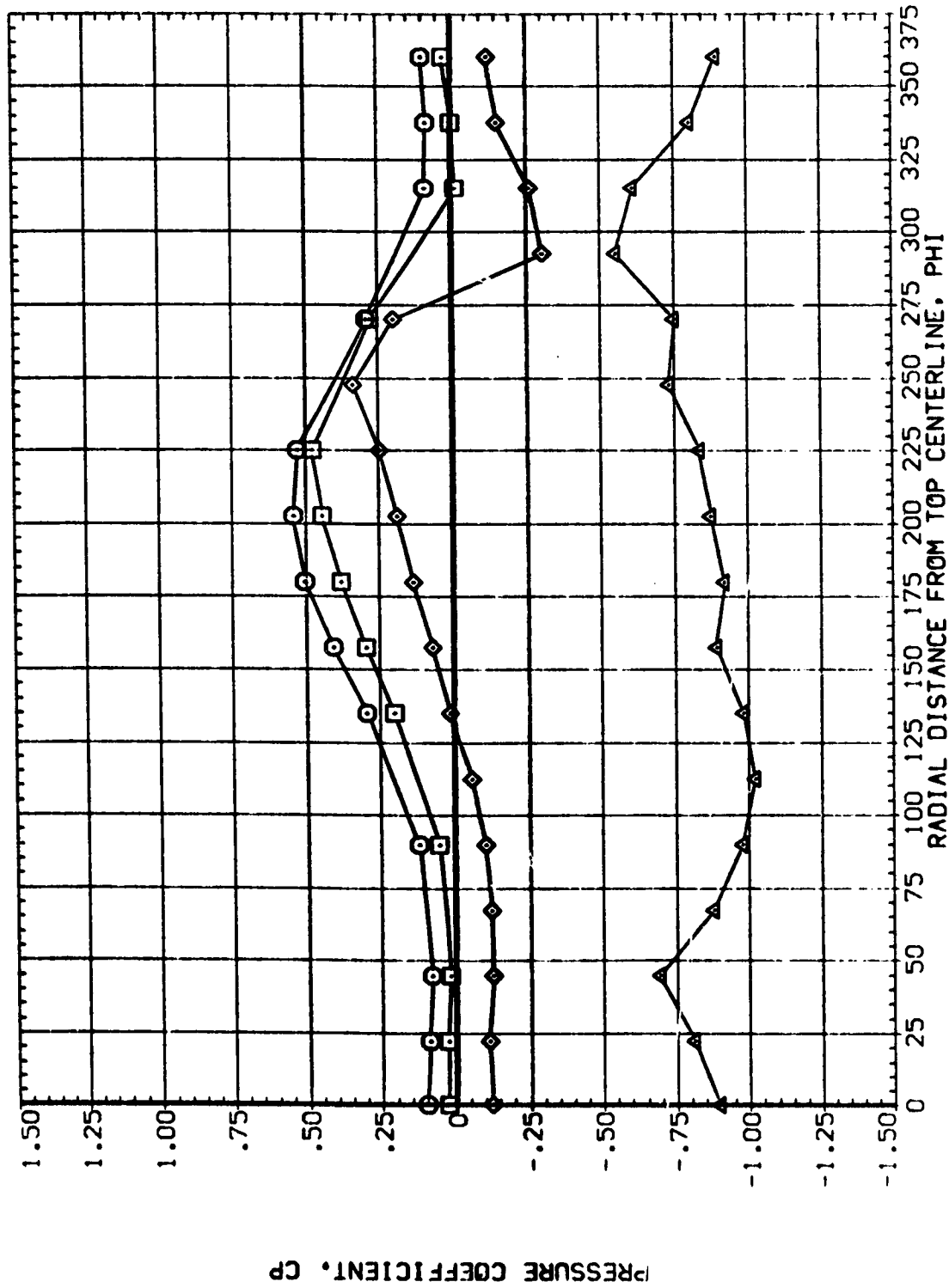
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				SREF	6.198	DELTA Z	CONF IG	.000	90.000
○	.912	.000	.900	LREF	5.313	X-SRB	RUDER	.140	.000
□	.955			BREF	5.313		ORB INC	.000	.500
				XTRP	2.549				
				YTRP	.972				
				ZTRP	.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

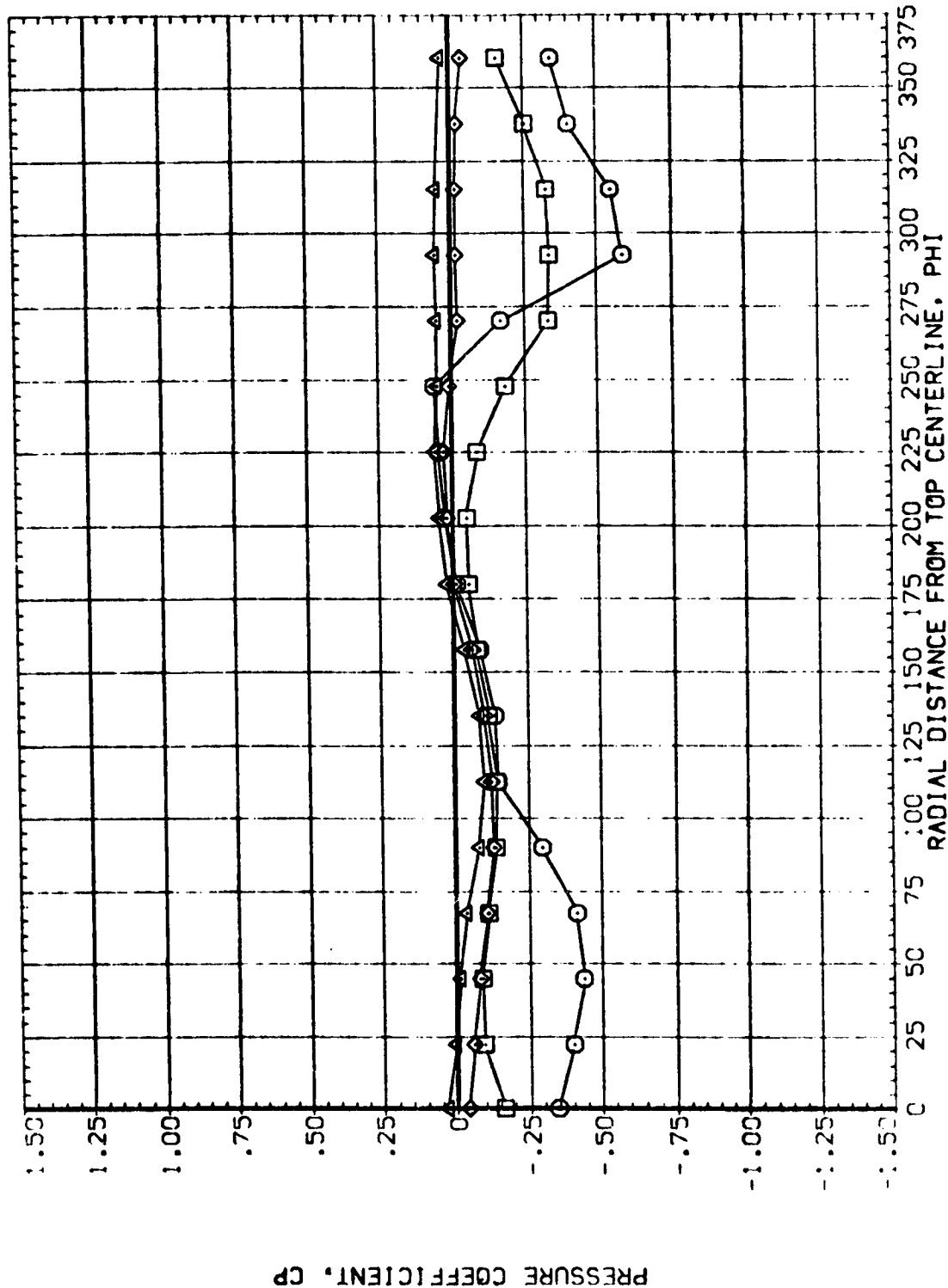
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONFIG	RUDDER	ORBITAL
○	.043	8.000	.900	6.198	5.313	2.549	.972	DELTA Z	.000	.140	.000
□	.072							X-SRB	.000	.000	.500
◇	.101										
△	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

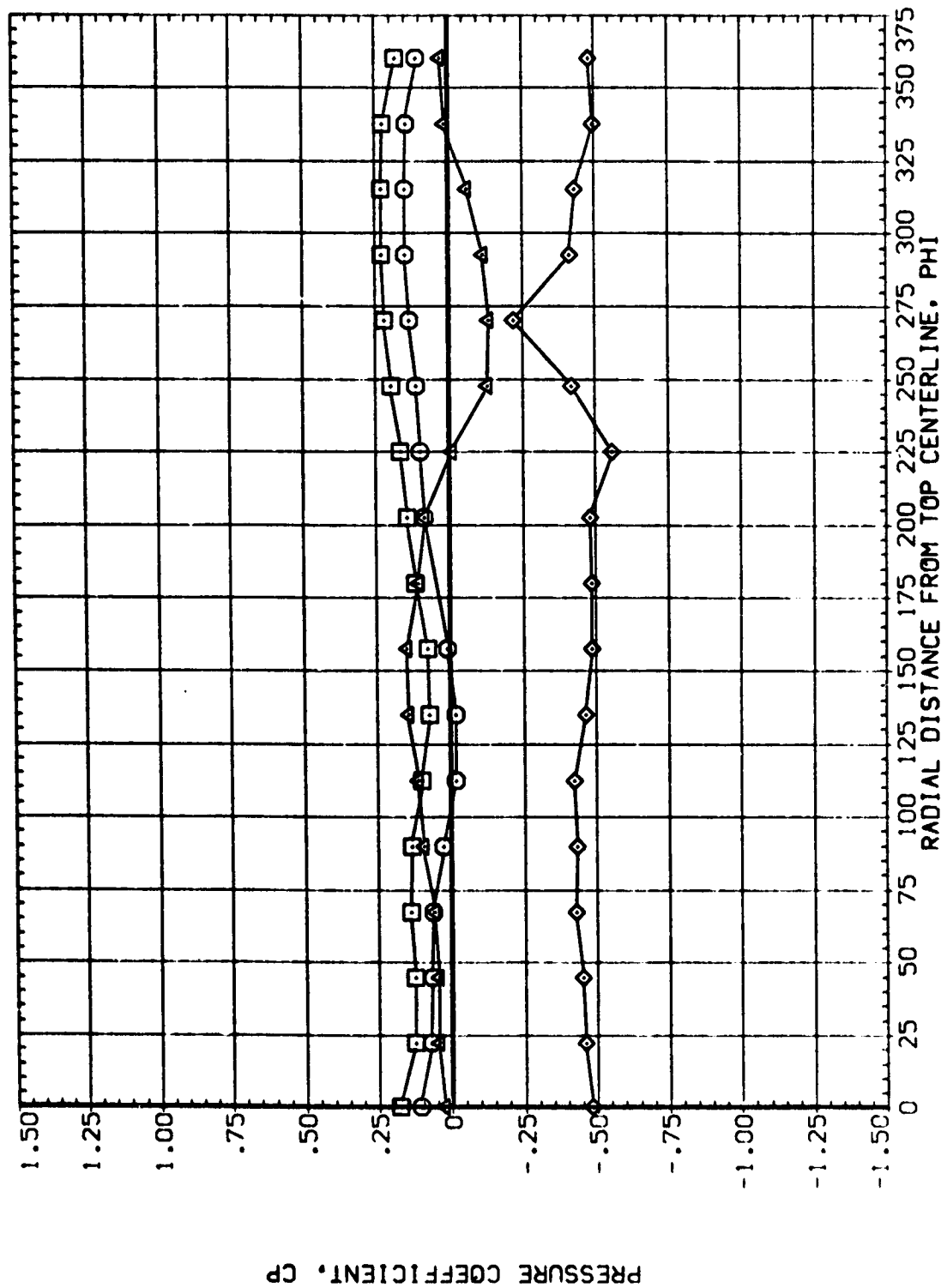
SYMBOL	X/LS	ALPHA	MAC	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	CONF IG	RUDDER	ORBITING
1.0110	.152	8.000	.000	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
	.224							X-SRB	.000	.000	.500
	.332										
	.440										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

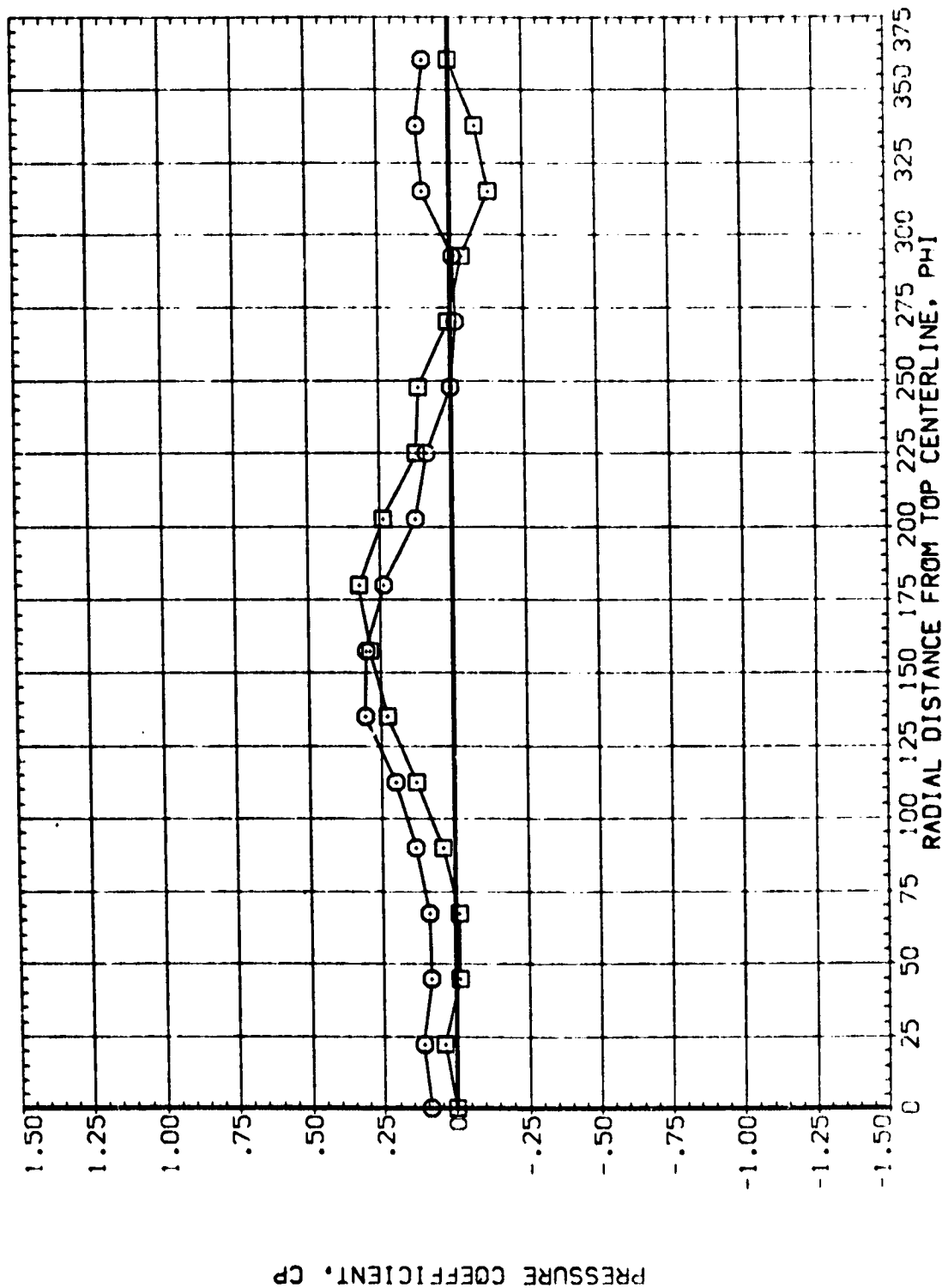
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	BETA	CONF16	CONF16	90.000
○	.549	8.000	.500	LREF	5.313	DELTAZ	.140	RUDDER	.000
□	.657			BREF	5.313	X-SRB	.000	ORBINC	.500
◇	.765			XPRP	2.549				
△	.883			YPRP	.972				
				ZPRP	.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

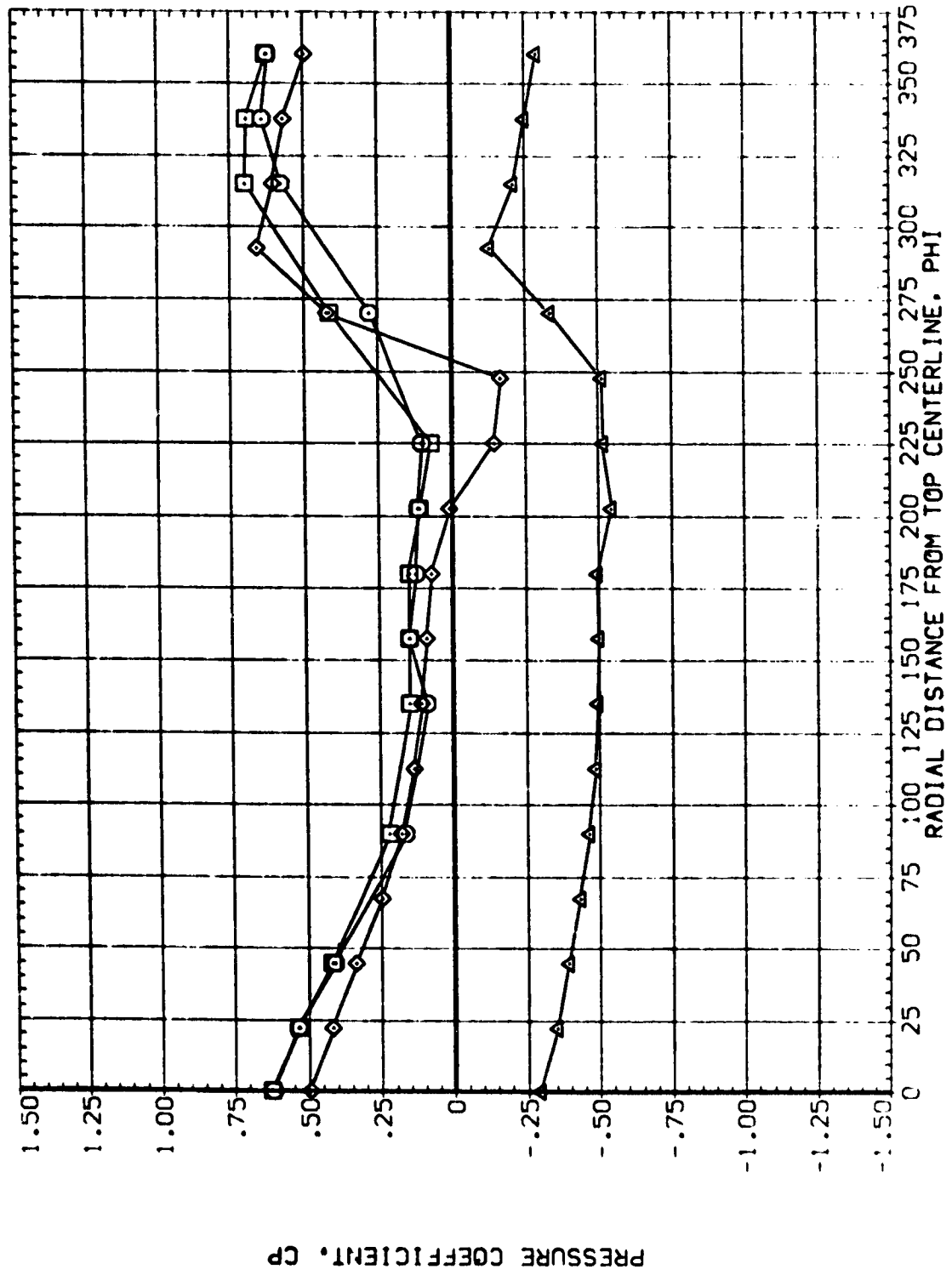
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	6.198	BETA	CONFIG
	.912	8.000	.900	LREF	5.313	DELTAZ	.000 RUDDER
	.955			BREF	5.313	X-SRB	.000 ORBINC
				XMRP	2.549		
				YMRP	.972		
				ZMRP	.000		
							90.000
							.000
							.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82505)

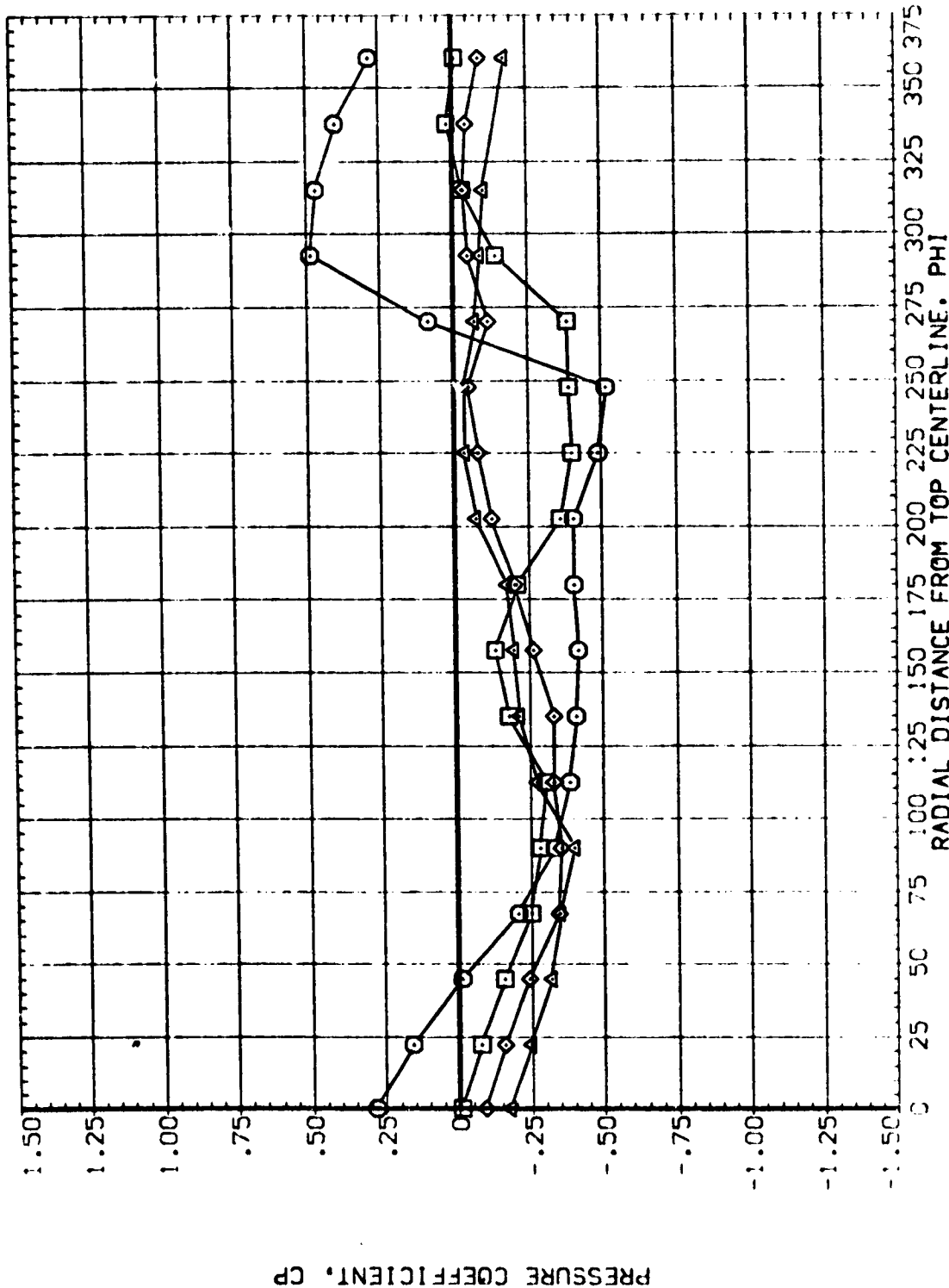
SYMBOL	X/L/S	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	DELTA Z	CONFIS	90.000
○	.043	-8.000	1.250	6.198	5.313	5.313	2.549	.000	.140	RLODER	.000
□	.072							X-SRB	.000	ORBINC	.500
◇	.101										
△	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

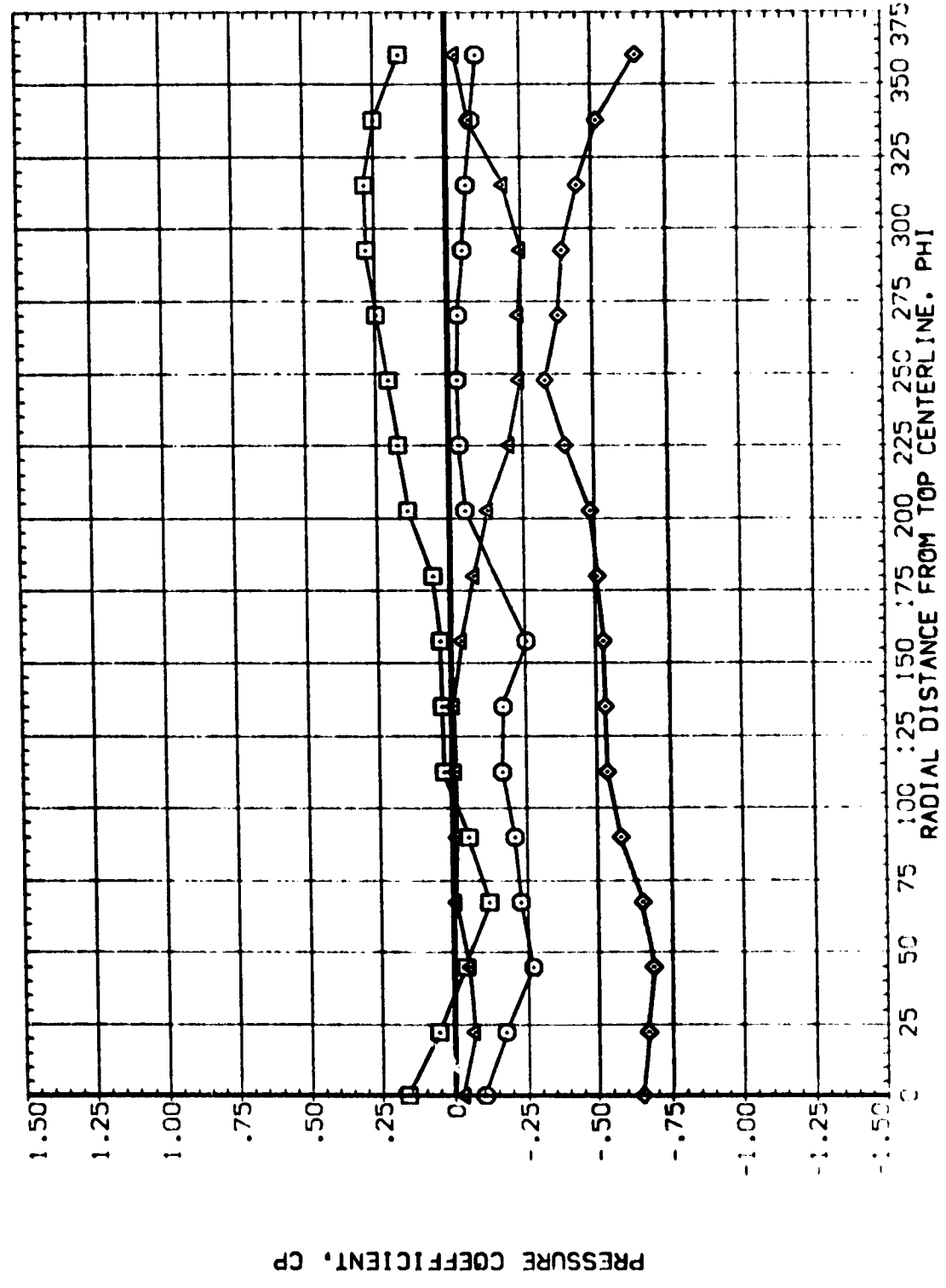
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	BETA	.000	CONFIS	90.000
	.152	-8.000	1.250	LREF	5.313	DELTAZ	.140	RUDDER	.000
	.224			BREF	5.313	Y-SRB	.000	DSBINC	.500
	.332			VMAP	2.548				
	.440			ZMRP	.972				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

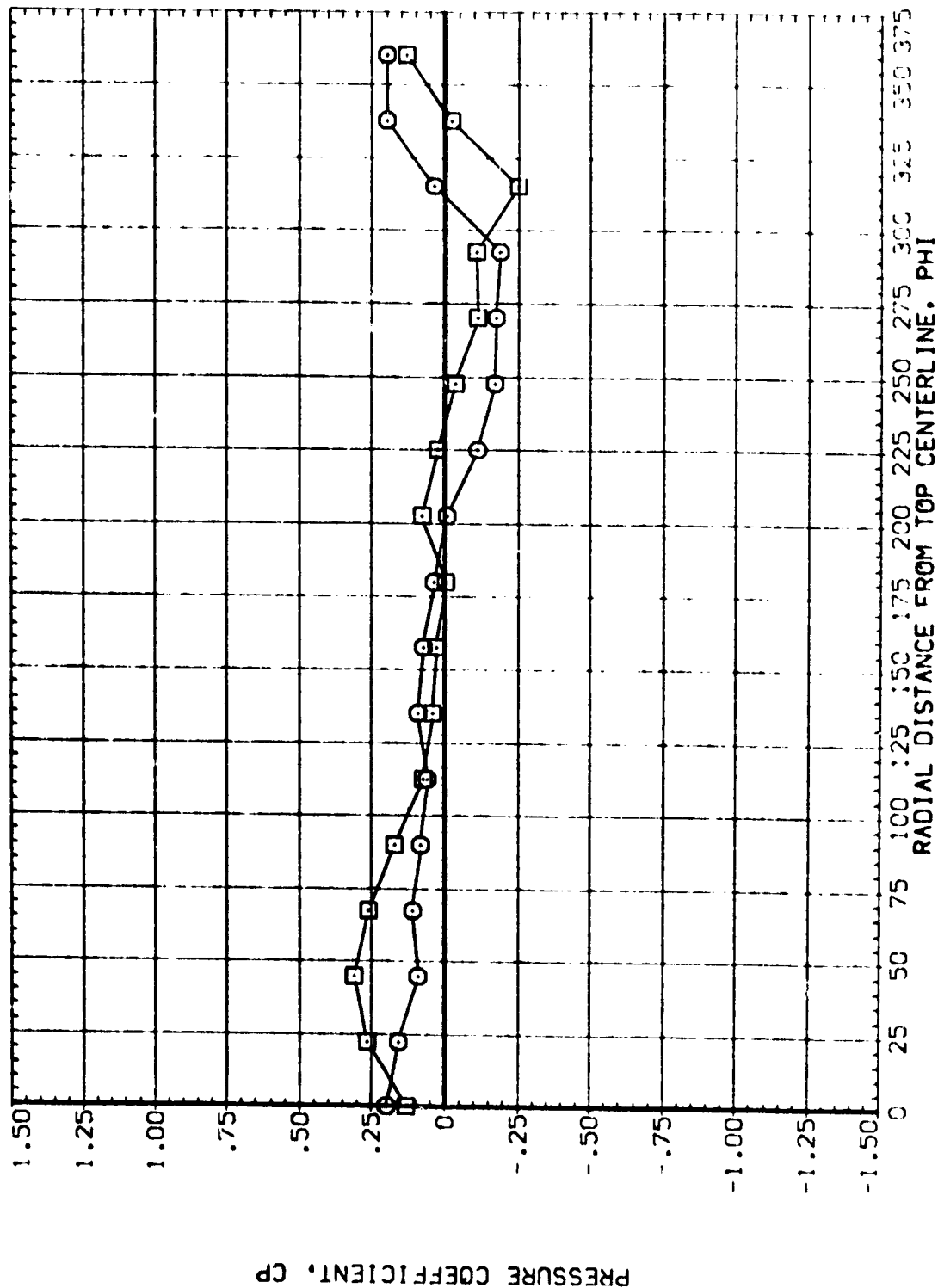
SYMBOL		X/LS		ALPHA		MACH		REFERENCE DATA		BETA		PARAMETRIC VALUES	
○		.549		-8.000		1.250		SREF	6.198	50. IN.	.000	CONFIS	90.000
□		.657						LREF	5.313	IN.	.140	RUDDER	.000
◇		.765						BREF	5.313	IN.	.000	ORBIT	.500
△		.883						XPRP	2.549	IN.			
								YPRP	.972	IN.			
								ZPRP	.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

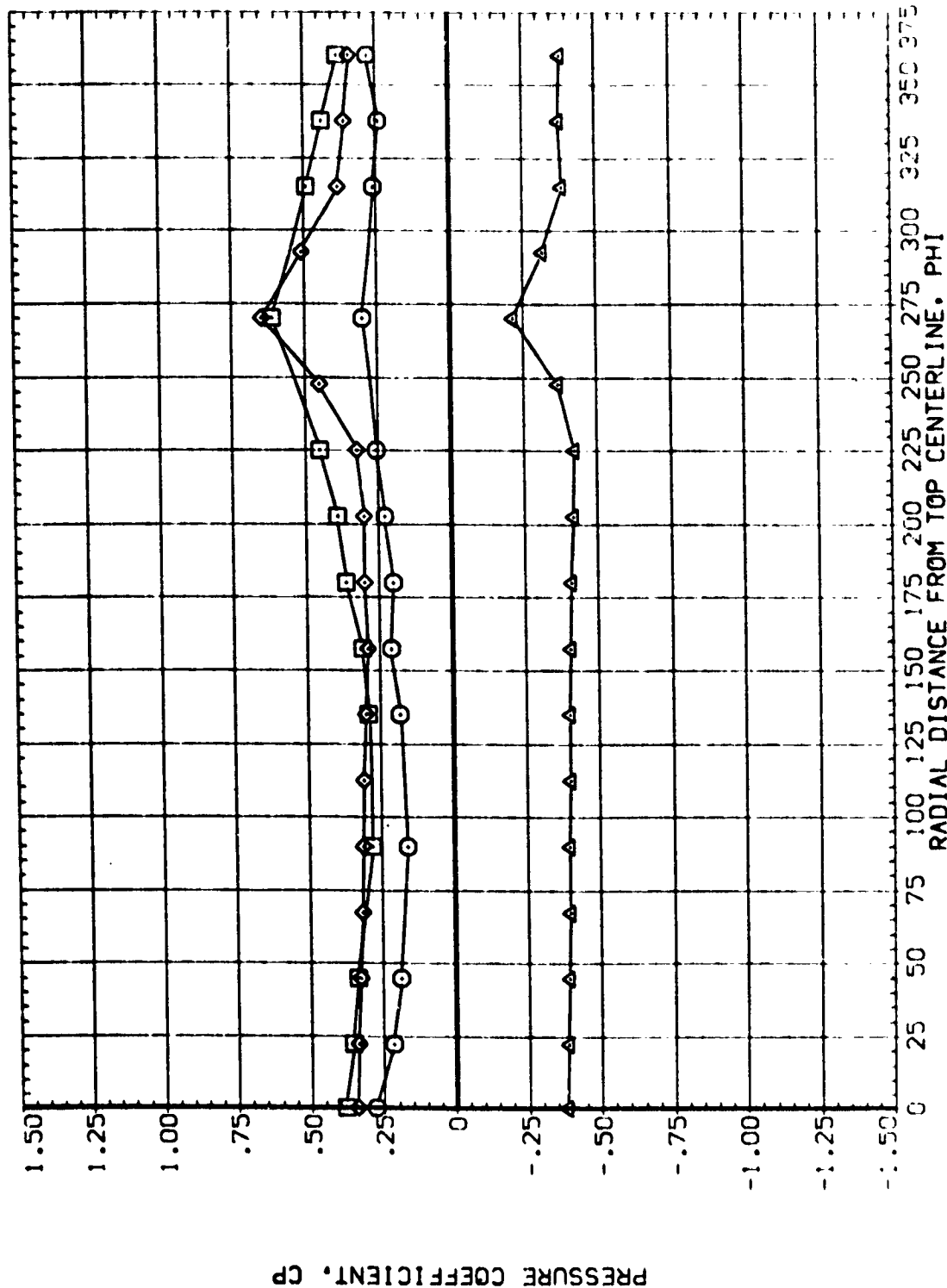
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONF IG	RUDDER	ORRINC
□	.912	-8.000	1.250	6.198	5.313	5.313	2.545	DELTA Z	.000	.14C	.000
○	.955			.572	.000			X-SRB	.000	ORRINC	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

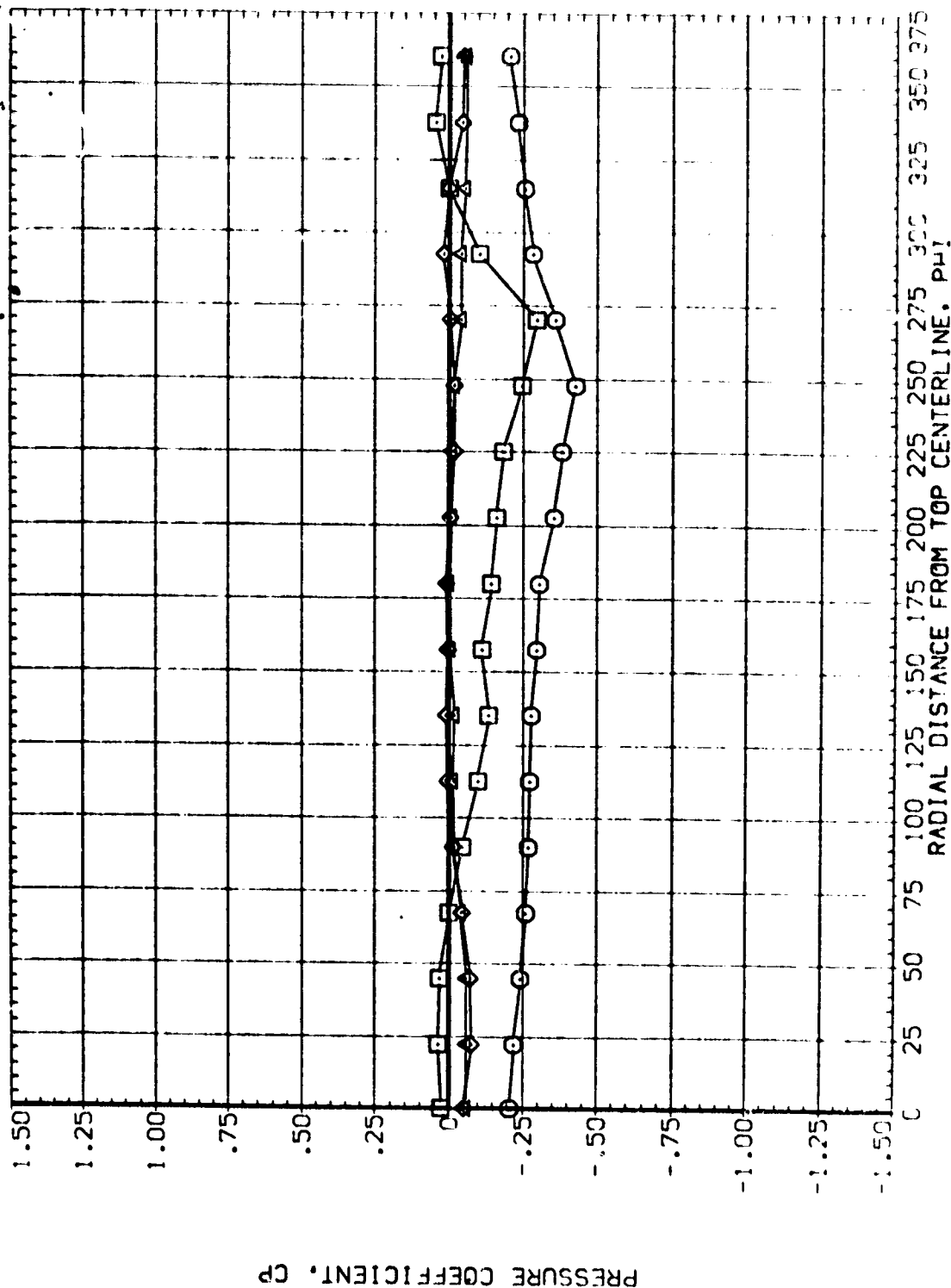
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	BETA	CONF IG	RUDDER	DRB INC
○	.043	.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.072							X-SRB	.000	.000	.500
◇	.101										
△	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

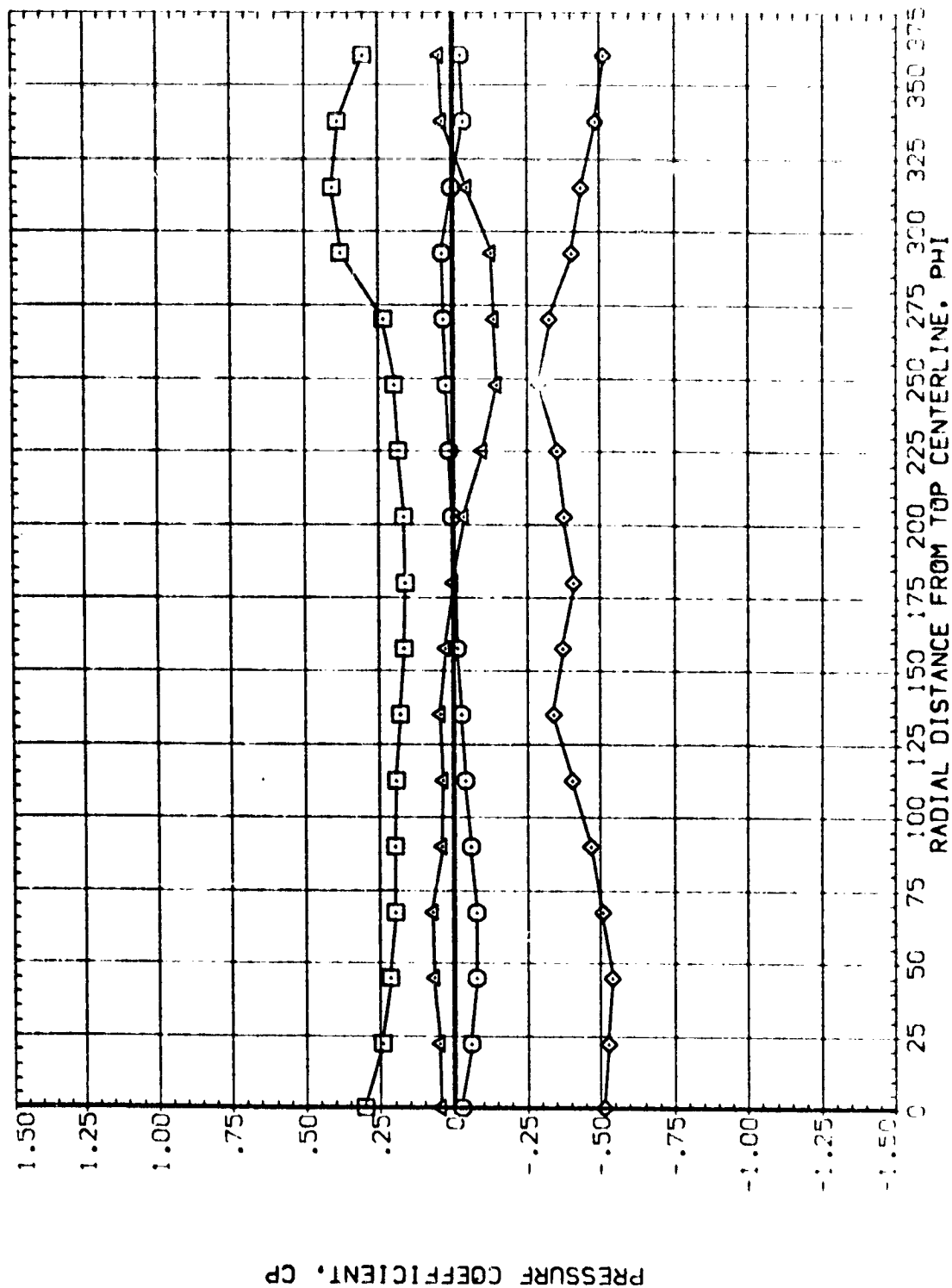
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	BETA	.000	CONF IG	90.000
○	.152	.000	1.250	LREF	5.313	DELTA Z	.140	RUDDER	.000
□	.224			BREF	5.313	X-SR2	.000	ORBIT INC	.500
◇	.332			VMRP	2.549				
△	.440			ZMRP	.572				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

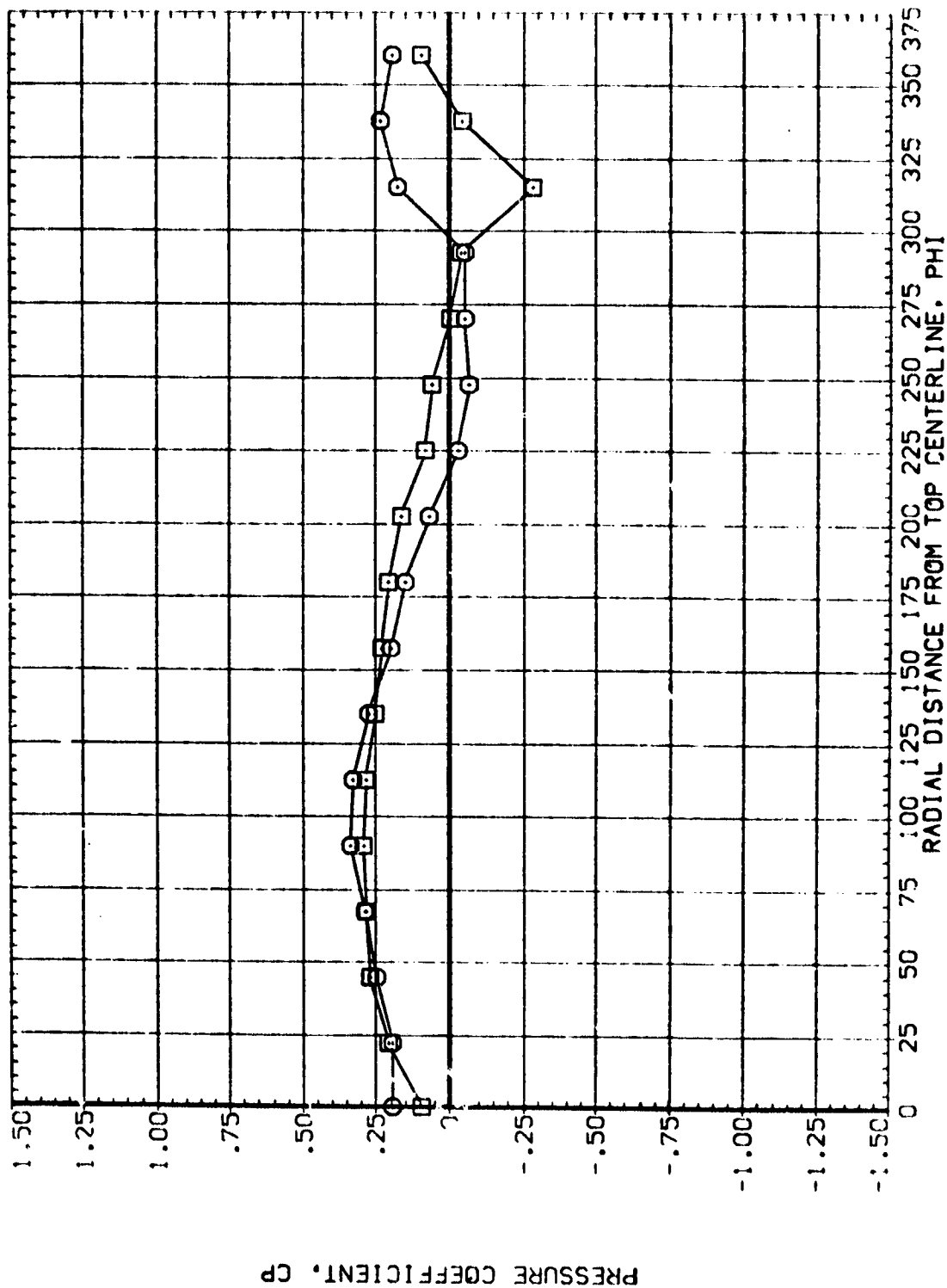
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	CONF16	RUDER	CONF16
□	.549	.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
◇	.657							X-S98	.000	.000	.500
△	.765										
▽	.883										



AL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S05)

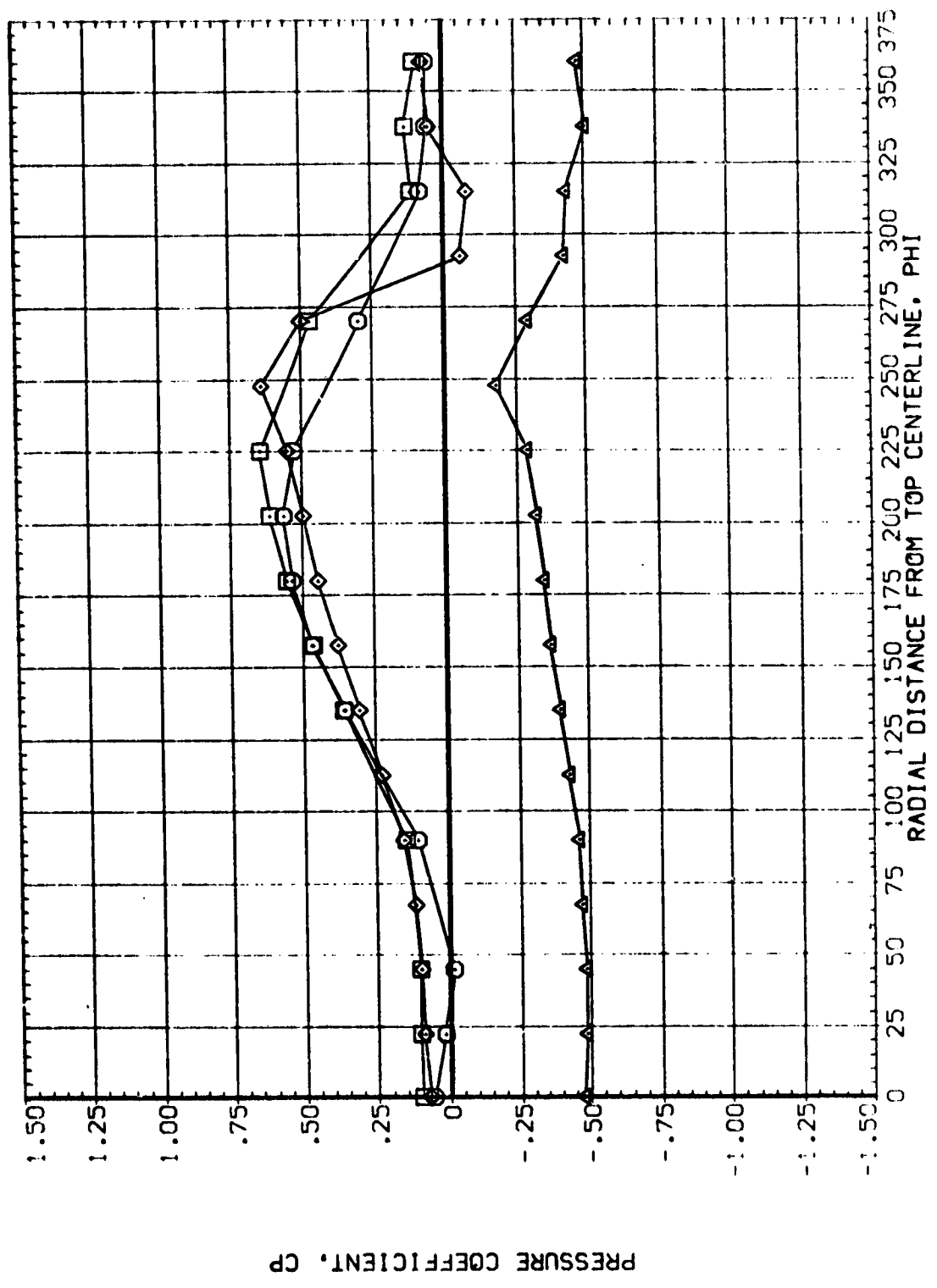
SYMBOL	V/L	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	CONFIG	RUDDER	ORBIT
□	.912	.000	1.250	6.198	5.313	5.313	2.549	DELTAZ	.000	.140	.000
○	.955			.972	.000			X-SRB	.000	.000	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S05)

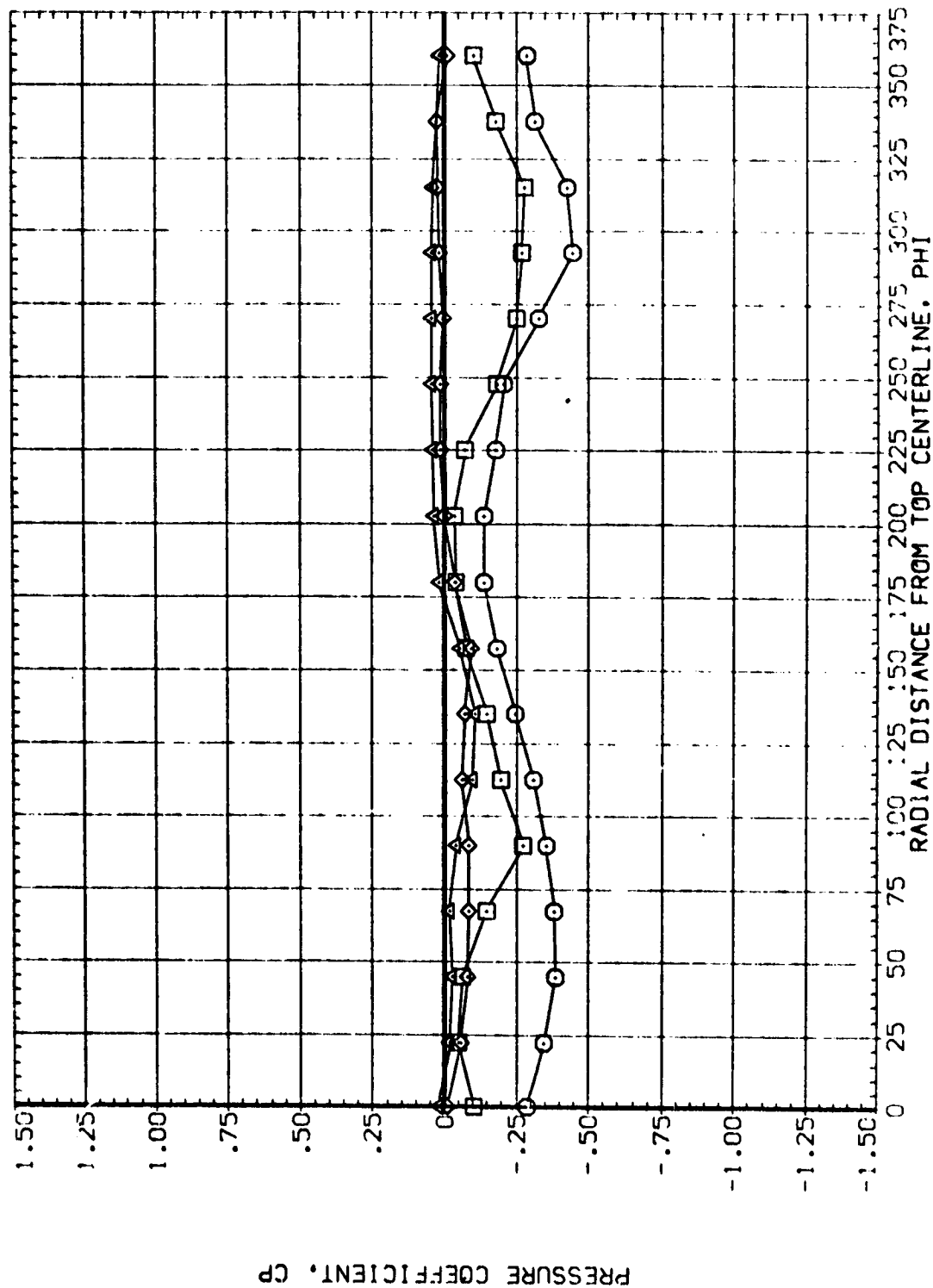
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□		.072			LREF	5.313	X-SRB	.140	RUDDER
◇		.101			BREF	5.313		.000	ORBITAL
△		.116			XMRP	2.549		.000	
					YMRP	.972		.500	
					ZMRP	.000			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

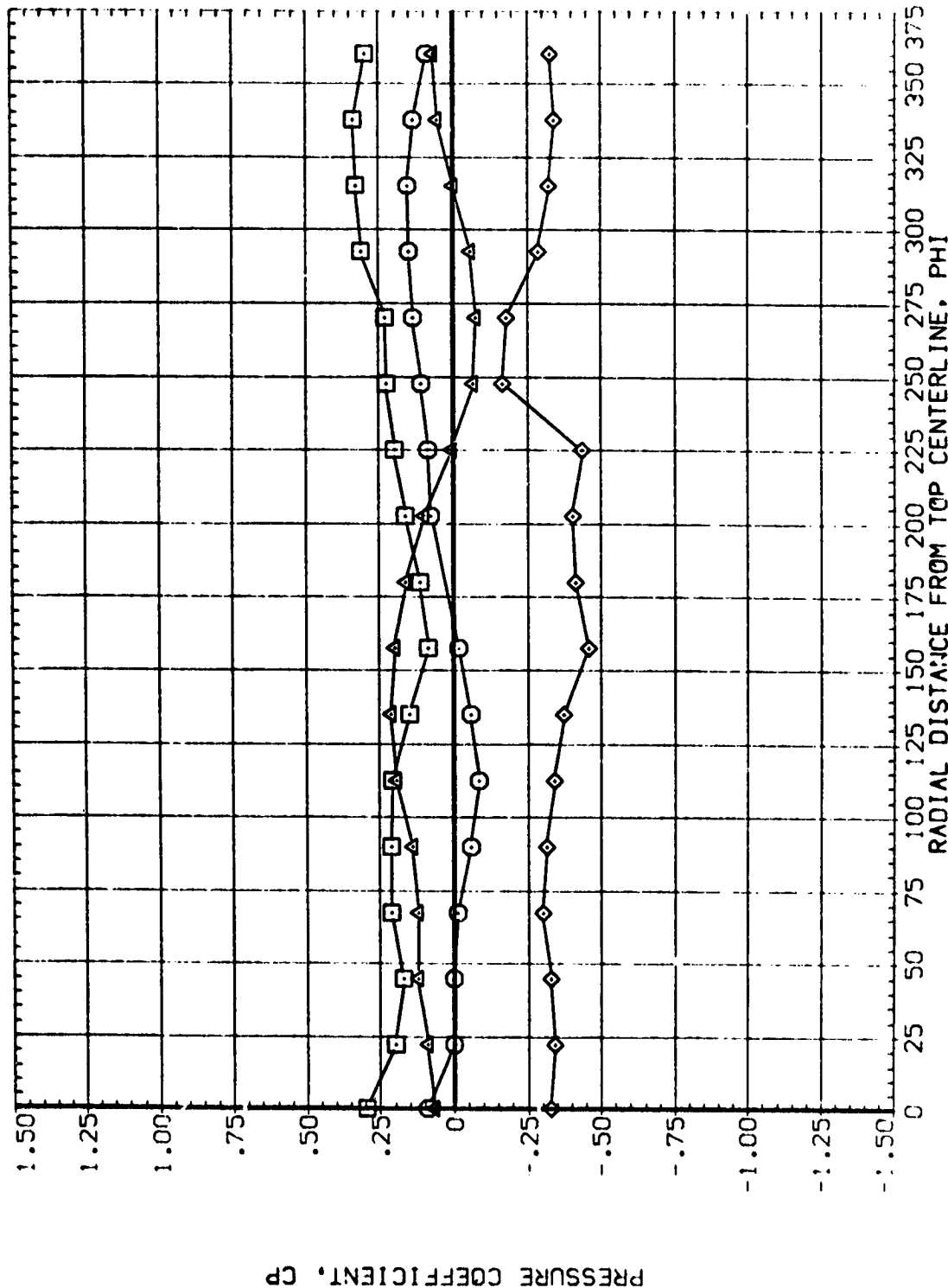
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	DELTAZ	CONF IG	
○	.152	8.000	1.250	6.198	5.313	5.313	2.549	.000	.140	RUDDER	90.000
◇	.224							X-SRB	.000	ORBITING	.000
△	.332										.500
▽	.440										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

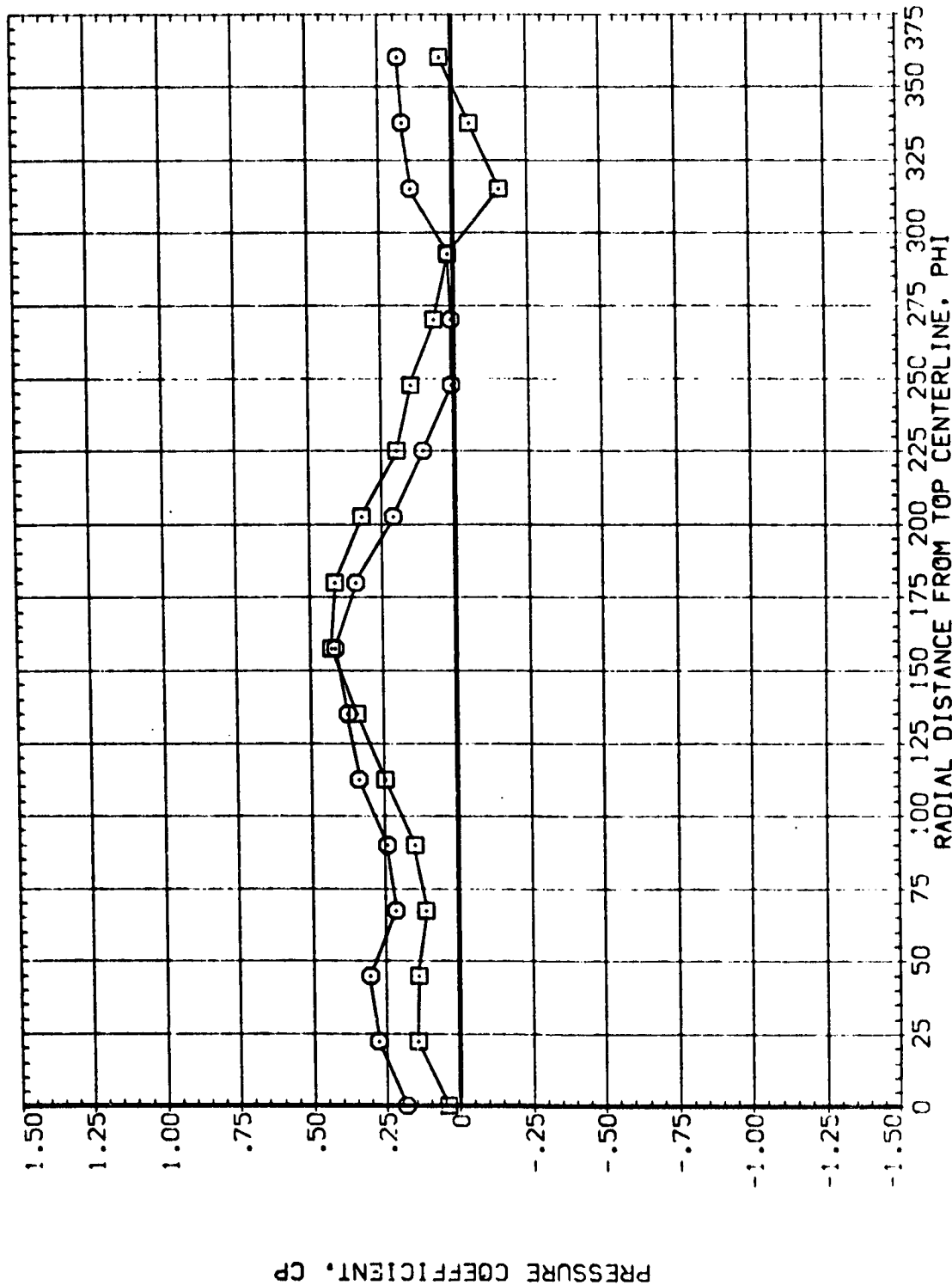
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	BETA	CONF IG	RUDDER	ORBIT INC
○	.549	8.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.657							X-SRB	.000	.000	.500
◇	.765										
△	.883										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

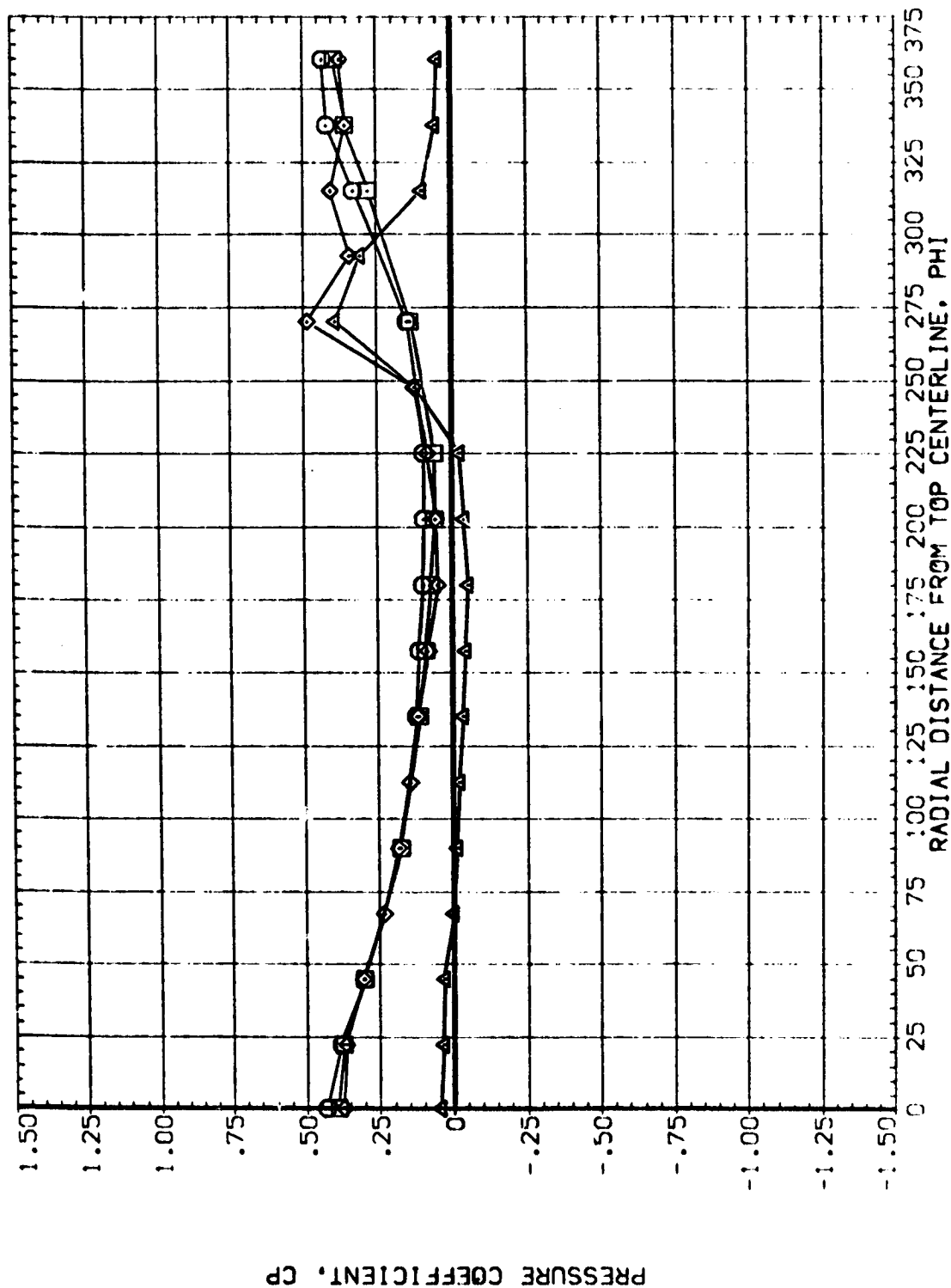
SINGL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	DELTAZ	CONF IG	RUDDER
□	.912	8.000	1.250	6.198	5.313	5.313	2.549	.000	.140	.000	.000
○	.995						.972	X-SRB		.000	.500
							.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

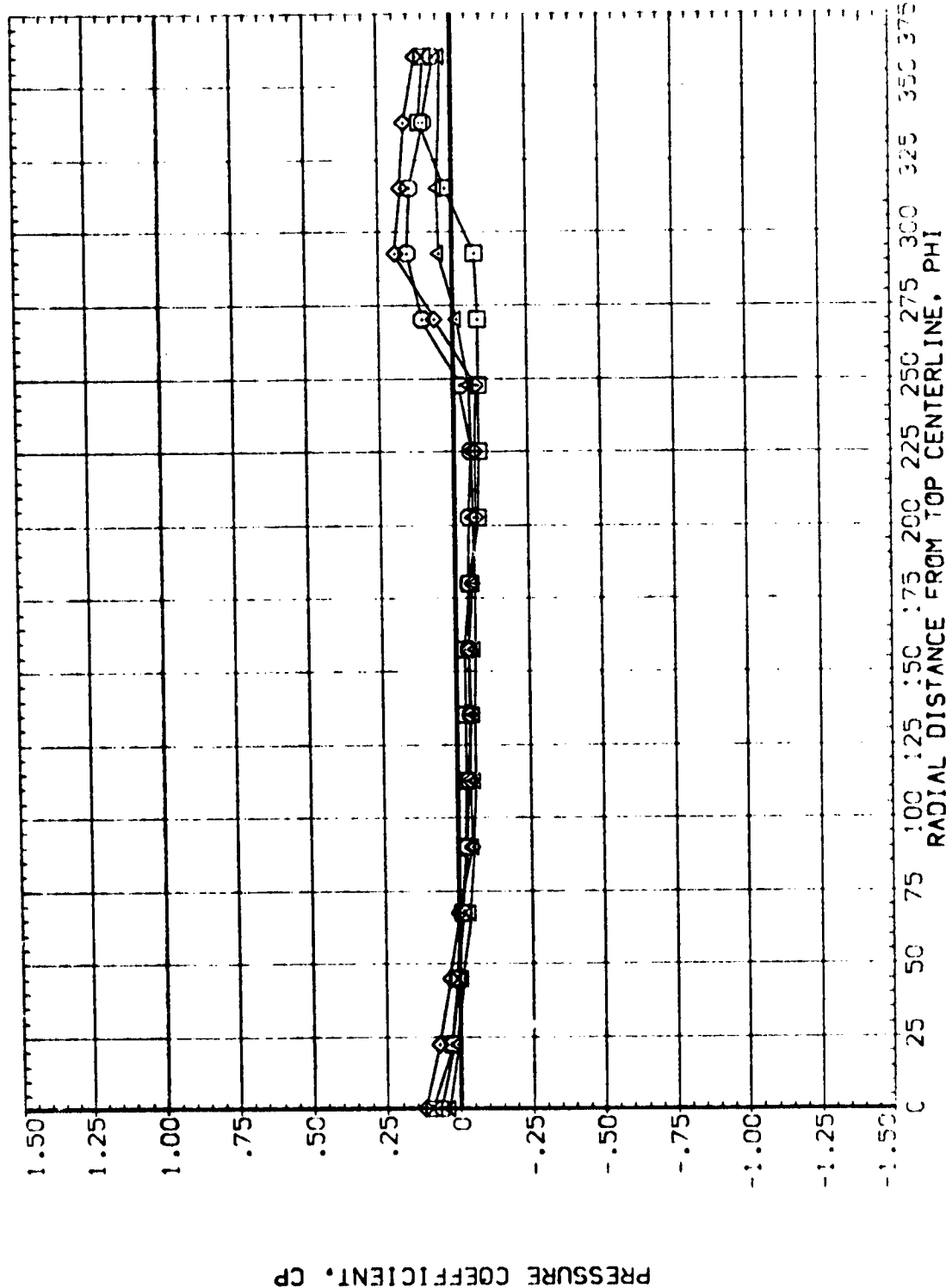
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	DELTAZ	CONFIG	90.000
□	.043	-8.000	3.500	6.198	5.313	5.313	2.549	.000	.140	RUDER	.000
◇	.072							X-SRB	.000	ORBINC	.500
△	.101										
▽	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S05)

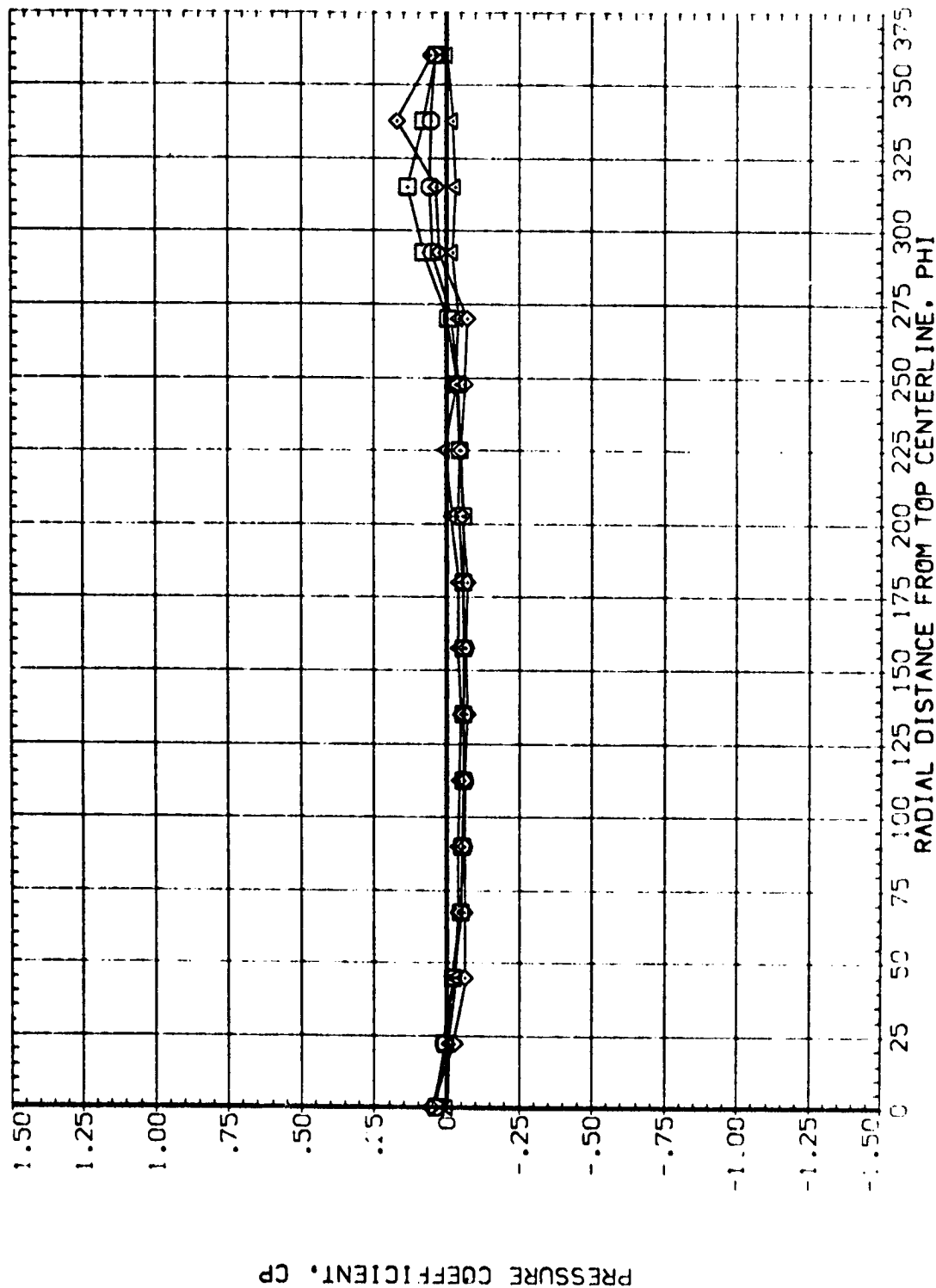
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X/L5	ALPHA	SREF	SO. IN.	BETA	CONF IG
.152	-8.000	LR EF	IN.	DELTA Z	.000
.224		BR EF	IN.	RUDDER	.000
.332		YMRP	IN.	ORBITAL	.500
.440		ZMRP	IN.		



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 03 U5

MSFC 567(IA32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

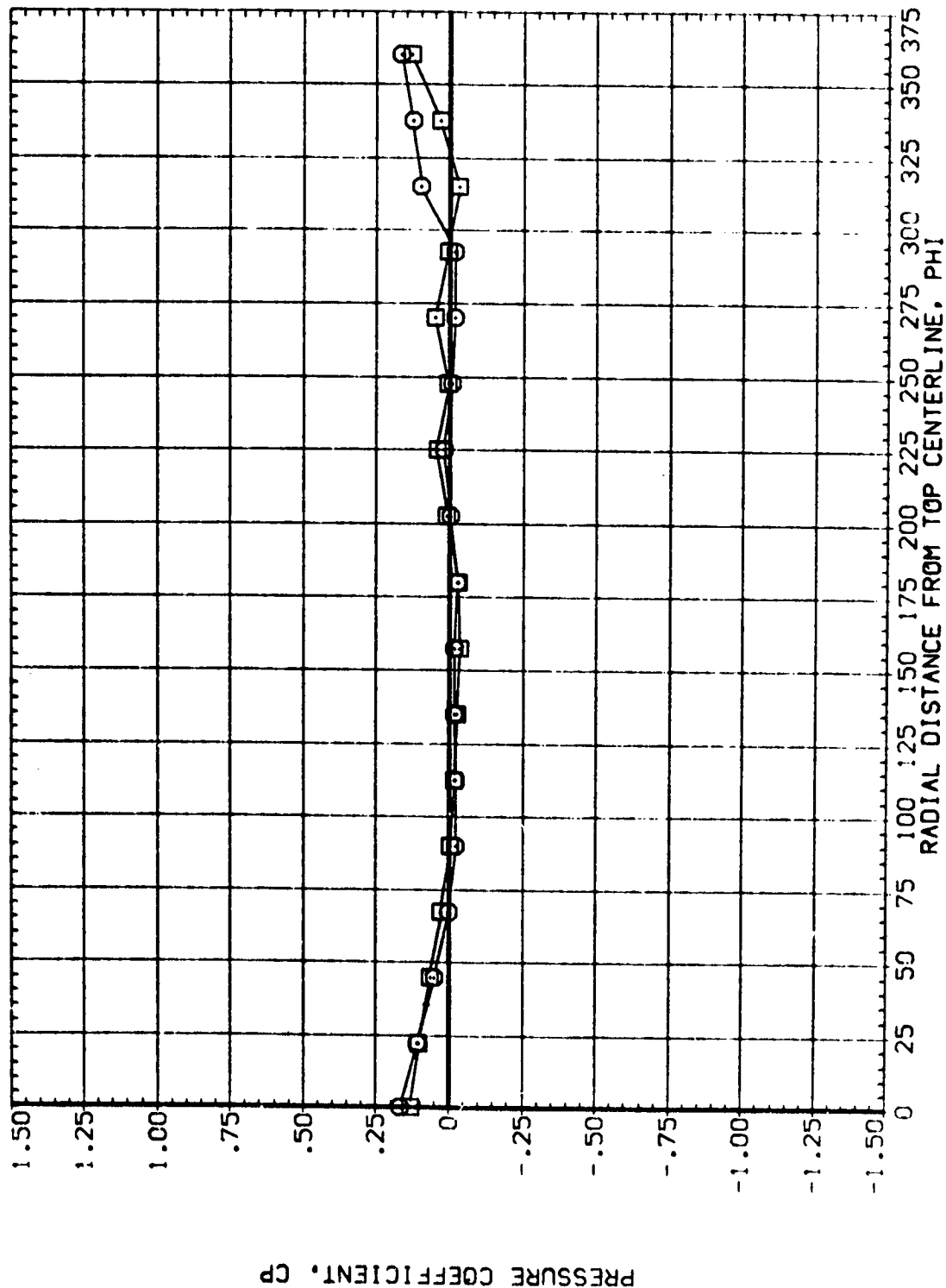
SYMBOL	X/L	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	LREF	BETA	CONF IG	90.000	
□	.549	-8.000	3.500	6.198	5.313	DELTA Z	.000	.000	
□	.657			5.313	2.549	X-SRB	.140	.000	
◇	.765			.972	.000	ORBIT	.000	.500	
△	.883								



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

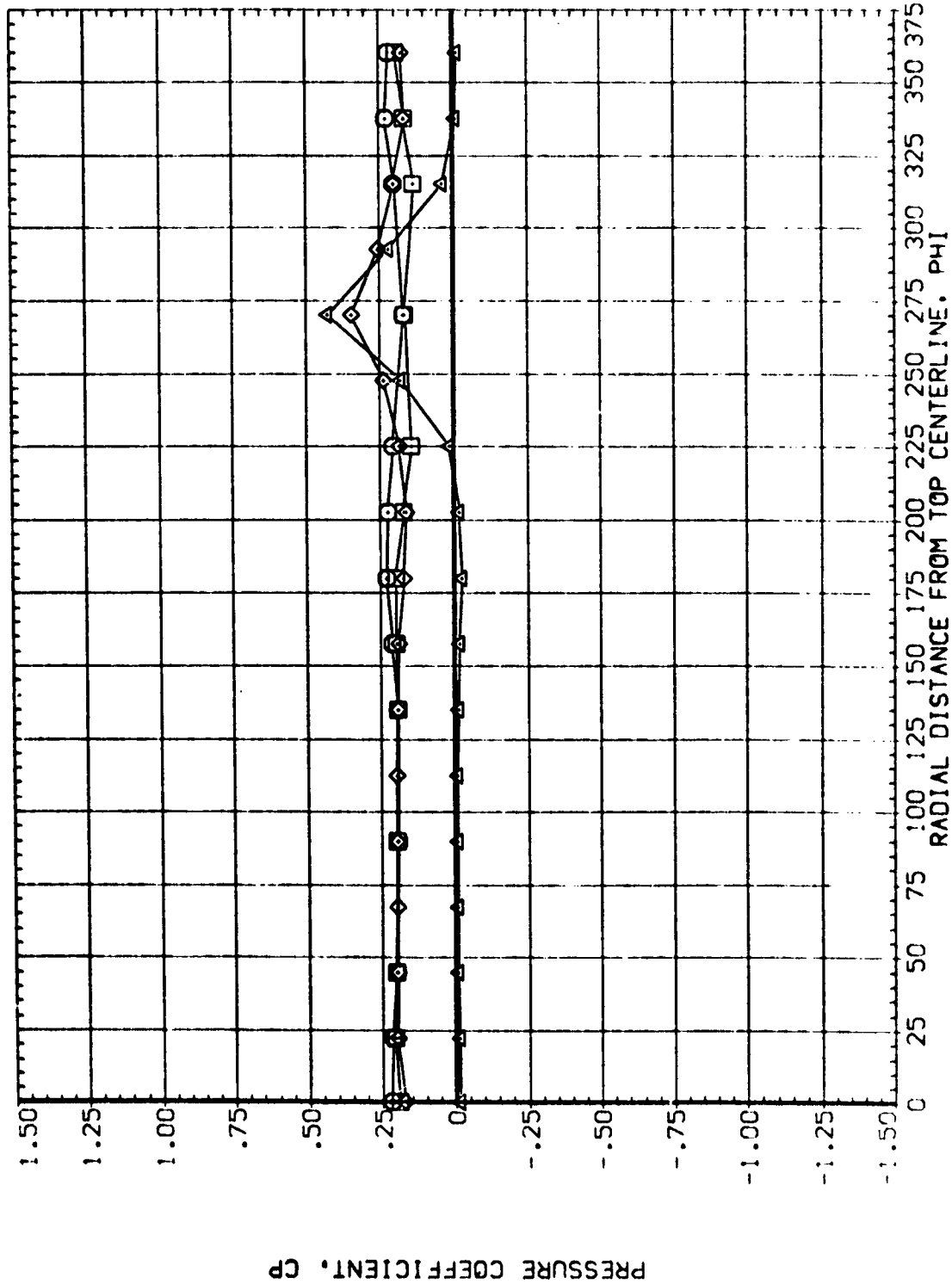
SYMBOL	X/L.S	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	BETA	.000	CONF IG	90.000
	.912	-8.000	3.500	LREF	5.313	DELTA Z	.140	RUDDER	.000
	.955			BREF	5.313	X-SRB	.000	ORBITAL	.500
				YMRP	2.549				
				ZMRP	.972				
					.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

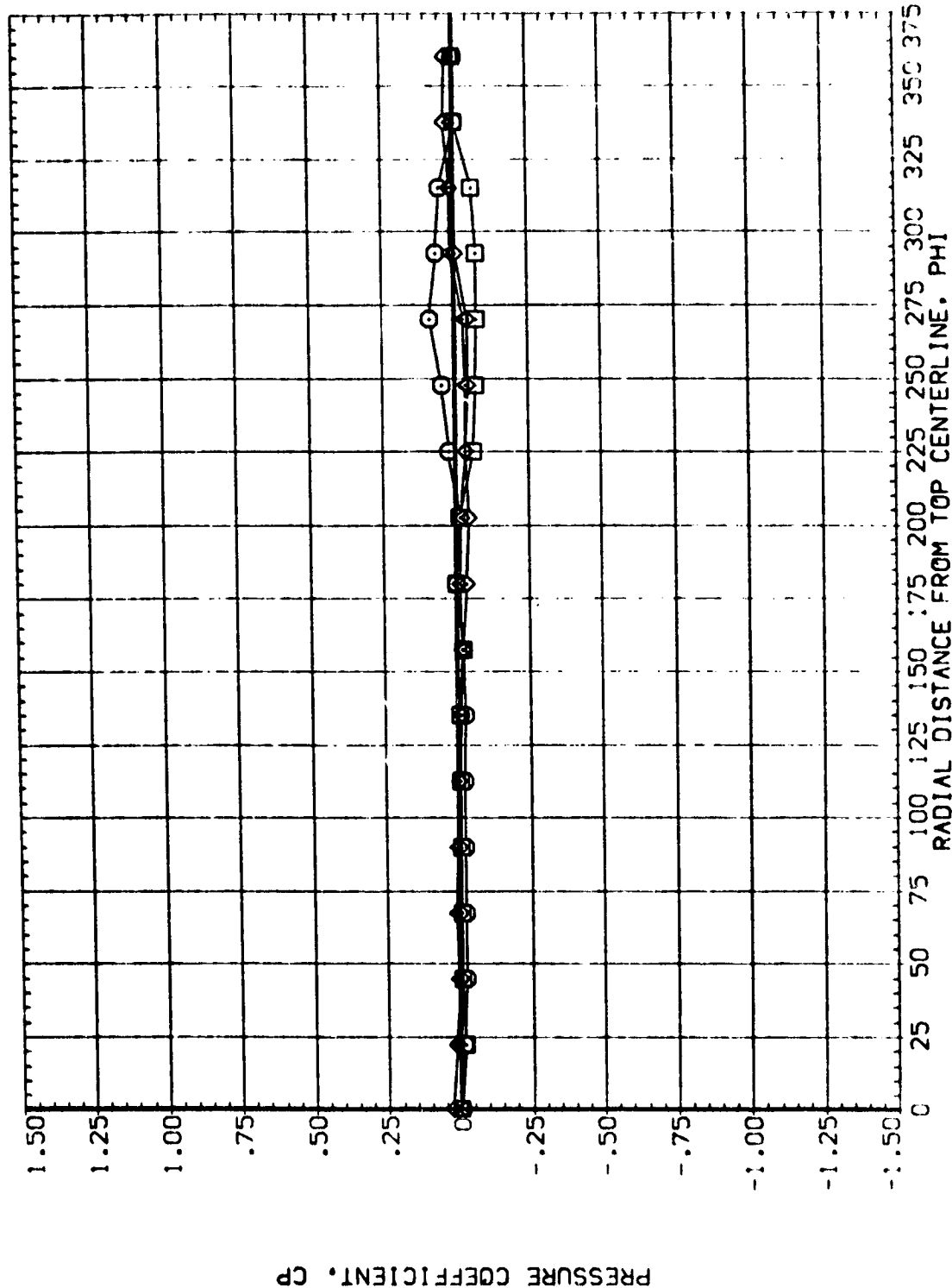
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	BETA	CONF	IG	CONF	IG
○	.043	.000	3.500	6.198	DELTAZ	.000	RUDER	.000	.000
◇	.072			5.313	X-SRB	.140	ORBINC	.000	.000
△	.101			2.549		.000		.500	
	.116			.972					
				.000					



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

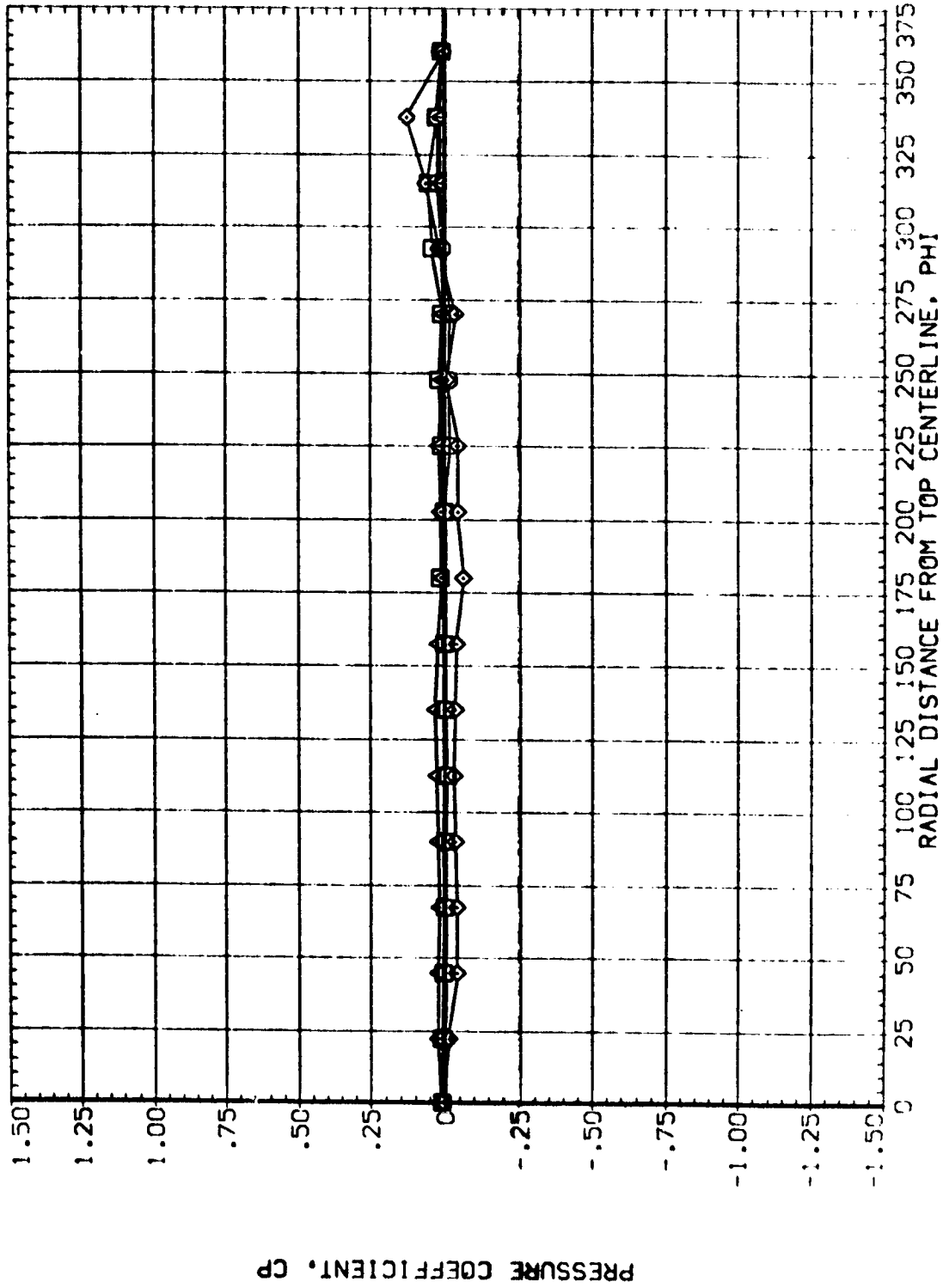
SYMBOL	X/S	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	BETA	CONF IG	90.000
□	.152	.000	3.500	LREF	5.313	DELTA Z	.140	.000
◇	.224			BREF	5.313	X-SRB	.000	.500
△	.322			XMRP	2.549			
	.440			VMRP	.972			
				ZMRP	.000			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82505)

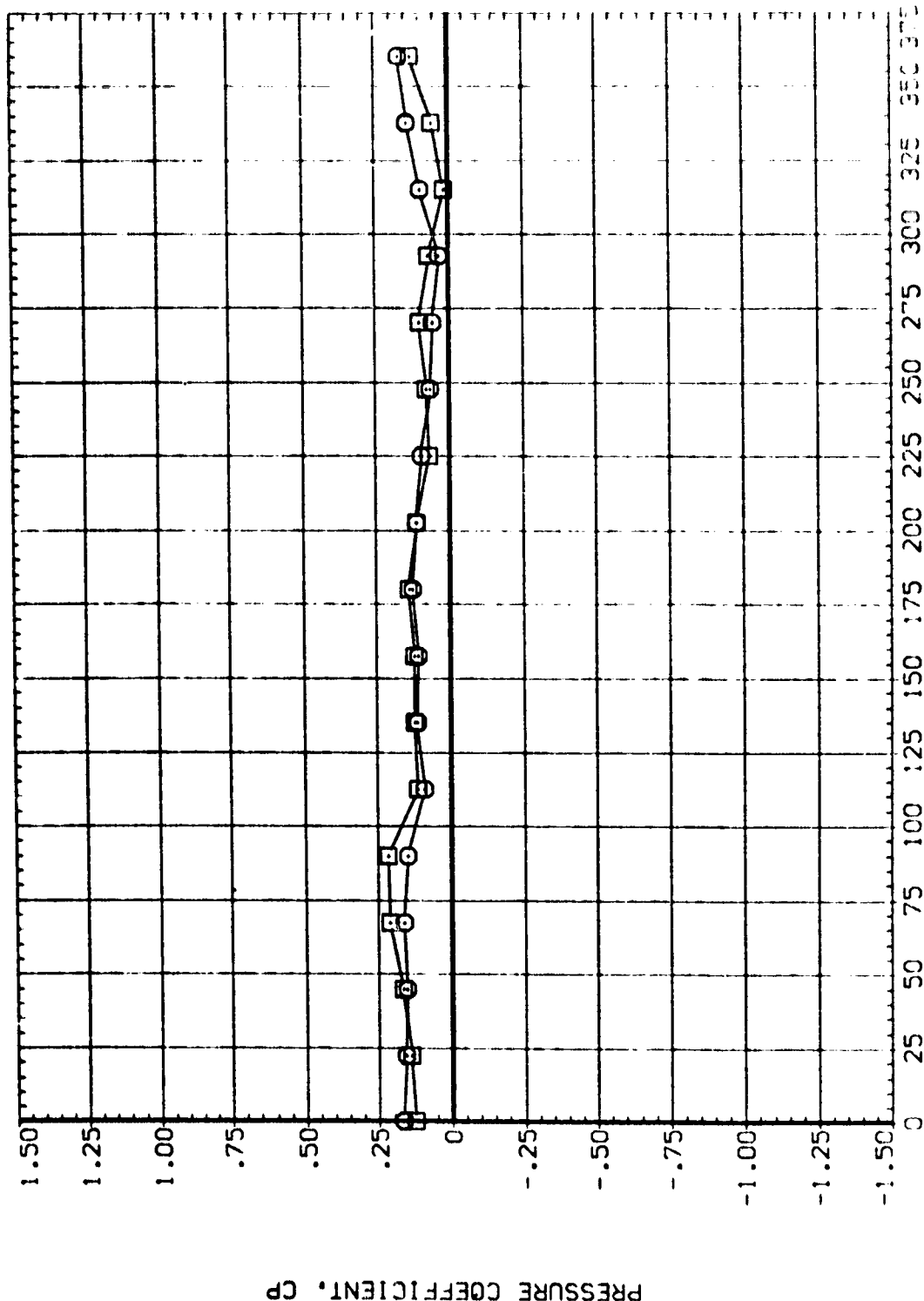
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA	PARAMETRIC VALUES
□	.549	.000	3.500	SREF 6.198	.000 CONF 16
◇	.657			LREF 5.313	.140 RUDDER
◇	.765			BREF 5.313	.000 ORBINC
△	.883			X-REF 2.549	
				Y-REF .972	
				Z-REF .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82505)

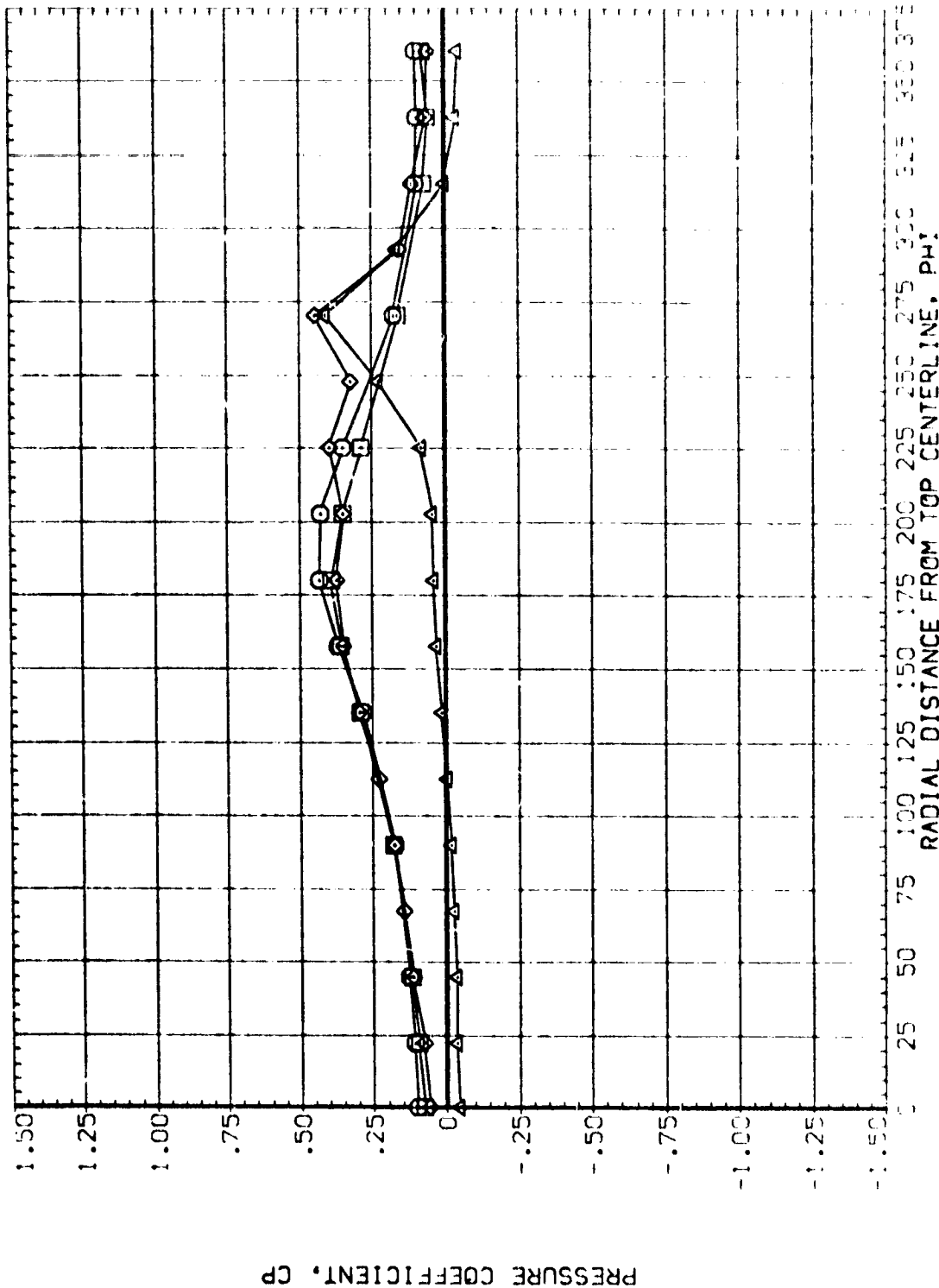
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	SO. IN.	BETA	CONF IG	
□	.912	.000	3.500	LREF	5.313 IN.	DELTA Z	.000	RUDER
□	.955			BREF	5.313 IN.	X-SRB	.000	ORBIT
				YMRP	2.549 IN.			
				ZMRP	.572 IN.			
					.000 IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

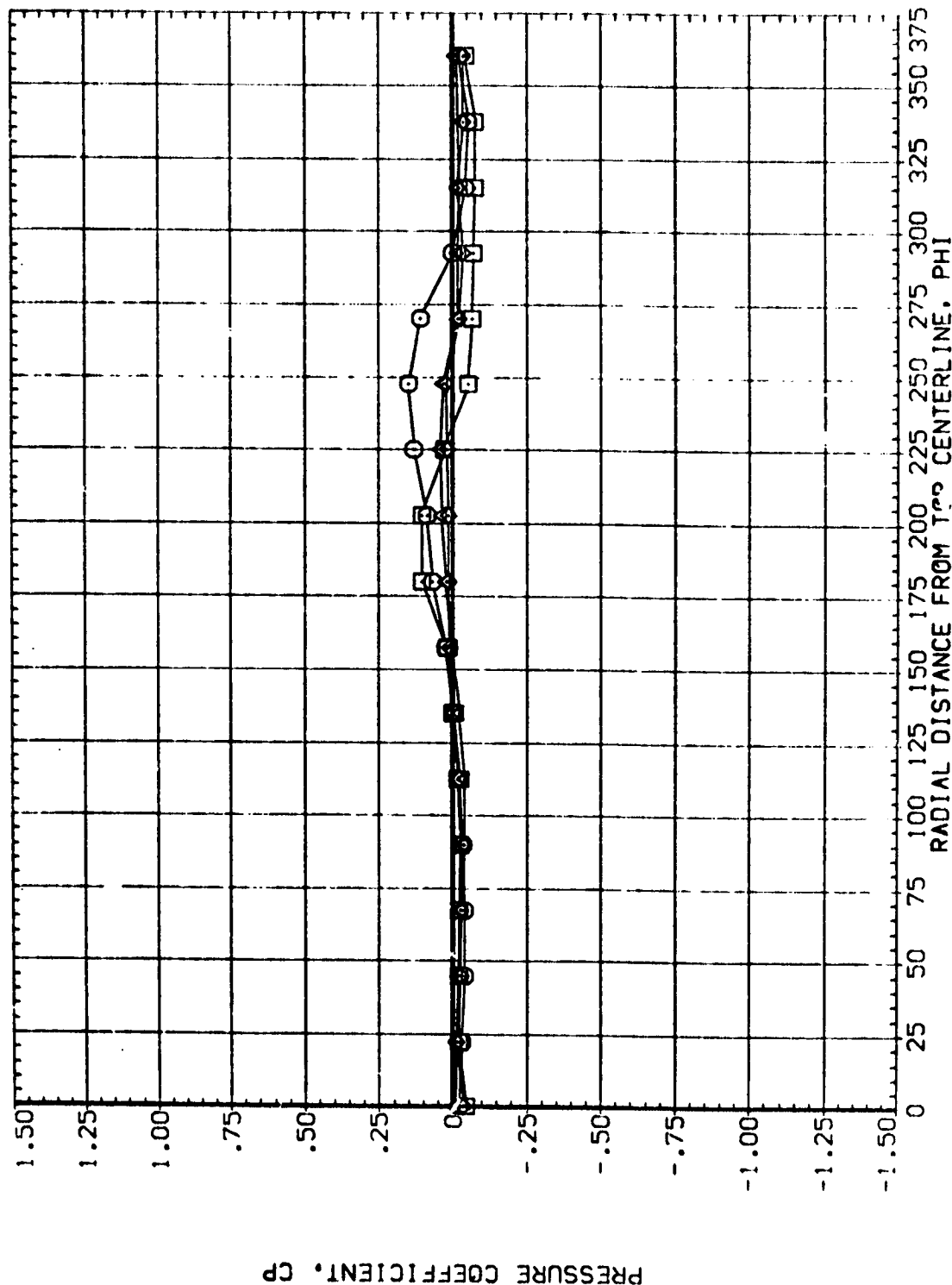
SYMBOL	X/L5	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	YMRP	ZMRP	SO, IN.	BETA	CONFIG
△	.043	8.000	3.500	6.198	5.313	5.313	2.549	.972	IN.	DELTAZ	90.000
□	.072								IN.	X-SRB	.000
◇	.101								IN.		.000
▽	.116								IN.		.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

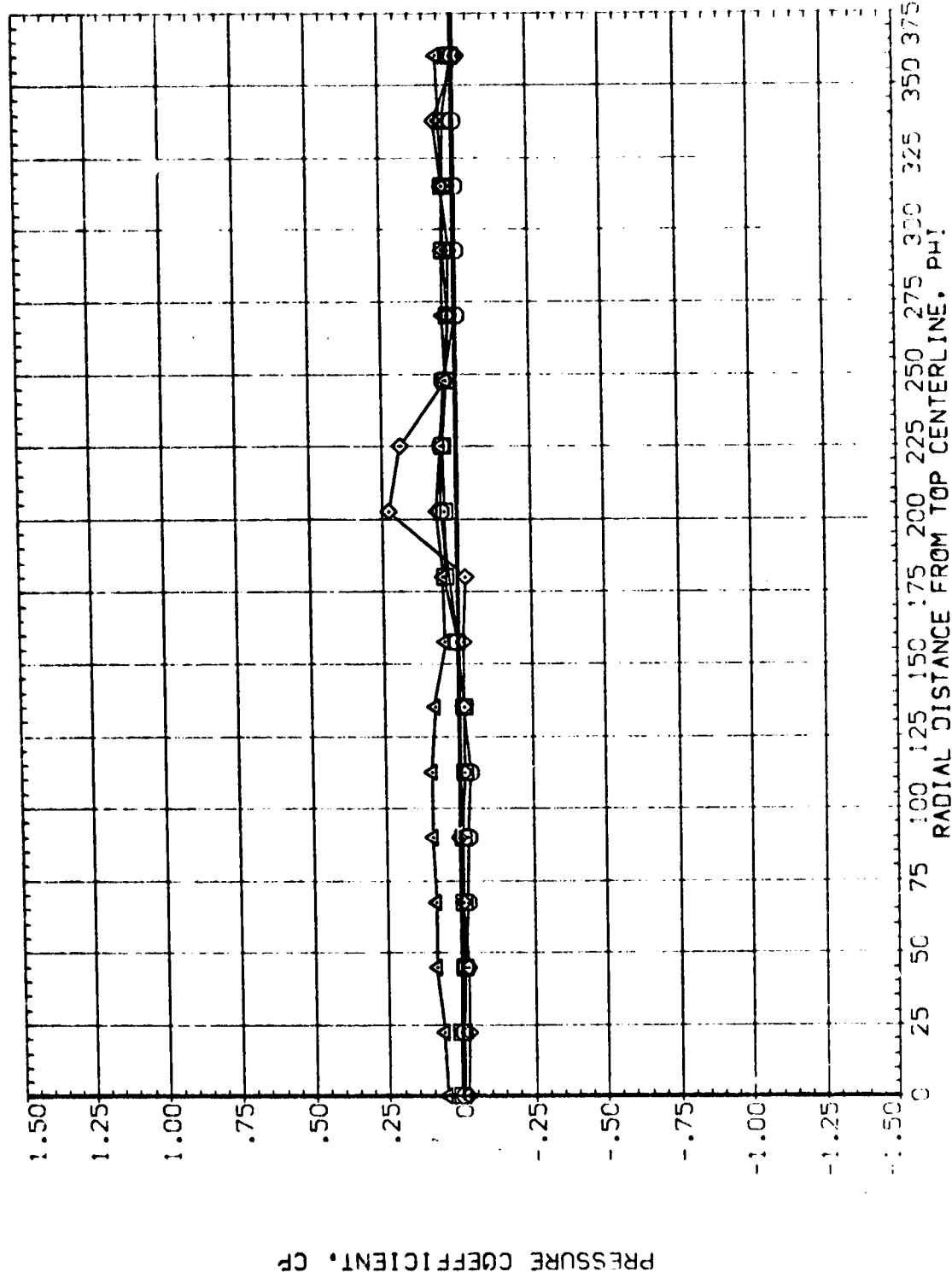
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				SREF	6.198	50. IN.	BETA	.000	CONF'G	90.000	
○	.152	8.000	3.500	LREF	5.313	IN.	DELTA Z	.140	RUDDER	.000	
□	.224			BREF	5.313	IN.	X-SRB	.000	ORBIT	.500	
◇	.332			XMRP	2.549	IN.					
△	.440			YMRP	.972	IN.					
				ZMRP	.000	IN.					



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

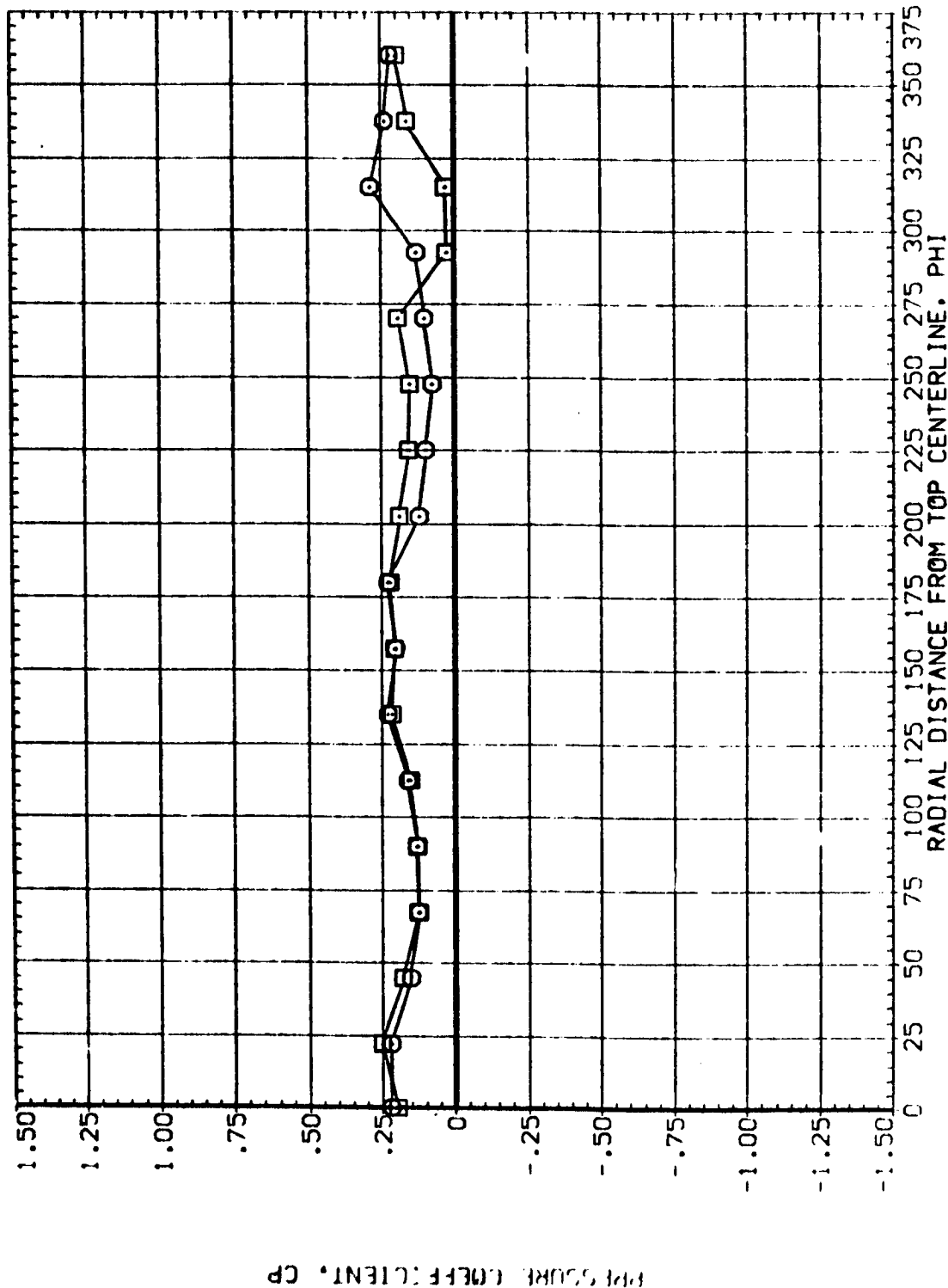
SYMBOL	X/LS	ALPHA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	BETA	CONF IG	RUDDER	ORBIT INC
○	.549	8.000	3.500	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.657							X-SRB	.000	.000	.500
◇	.765										
△	.883										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S05)

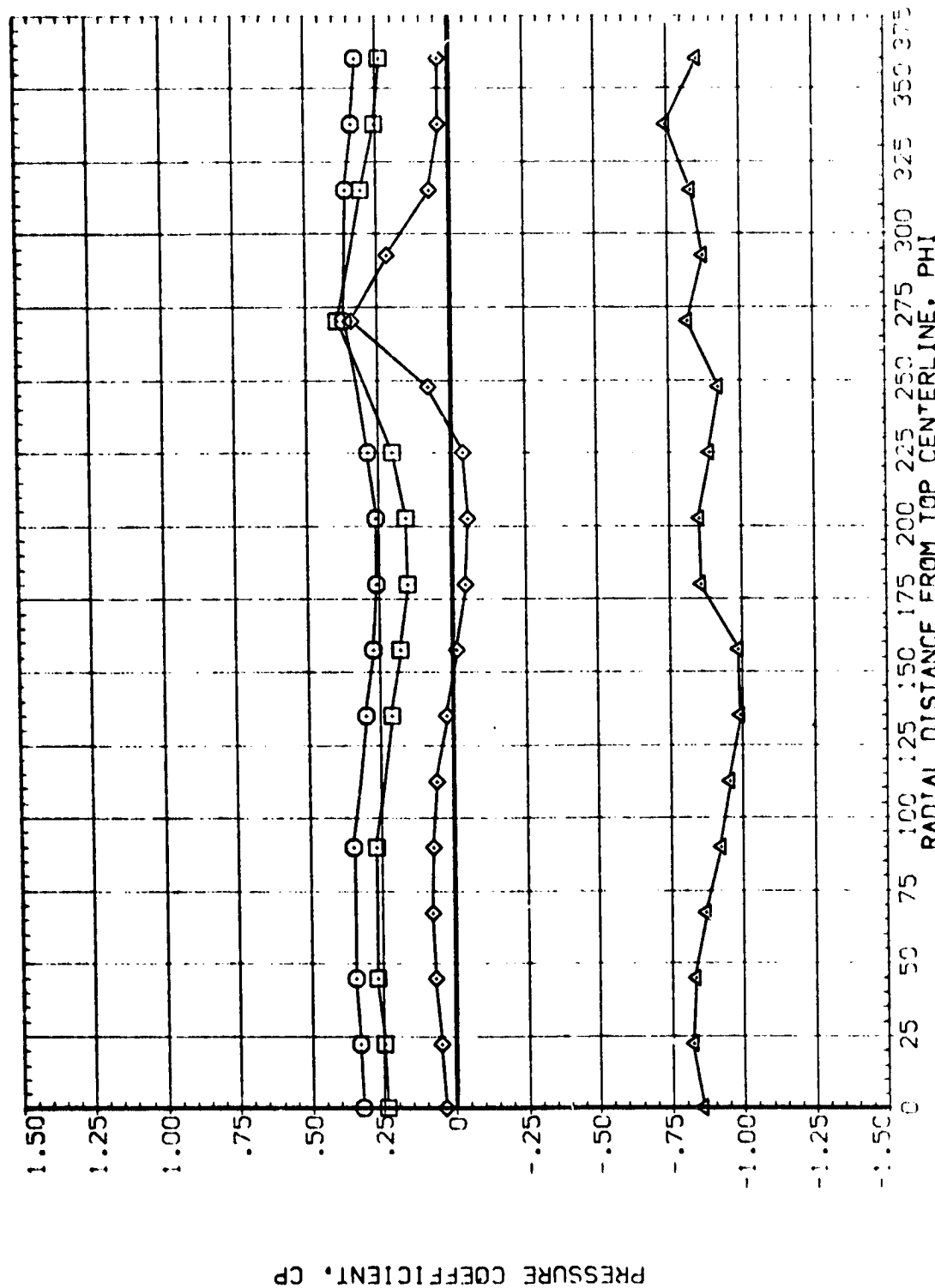
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				SREF	6.198	BETA	CONFIG	90.000
	.912	8.000	3.500	LREF	5.313	DELTA Z	RUDDER	.000
	.955			BREF	5.313	X-SRB	ORBIT	.500
				YPRP	2.549			
				ZPRP	.972			
				ZMAX	.000			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S06)

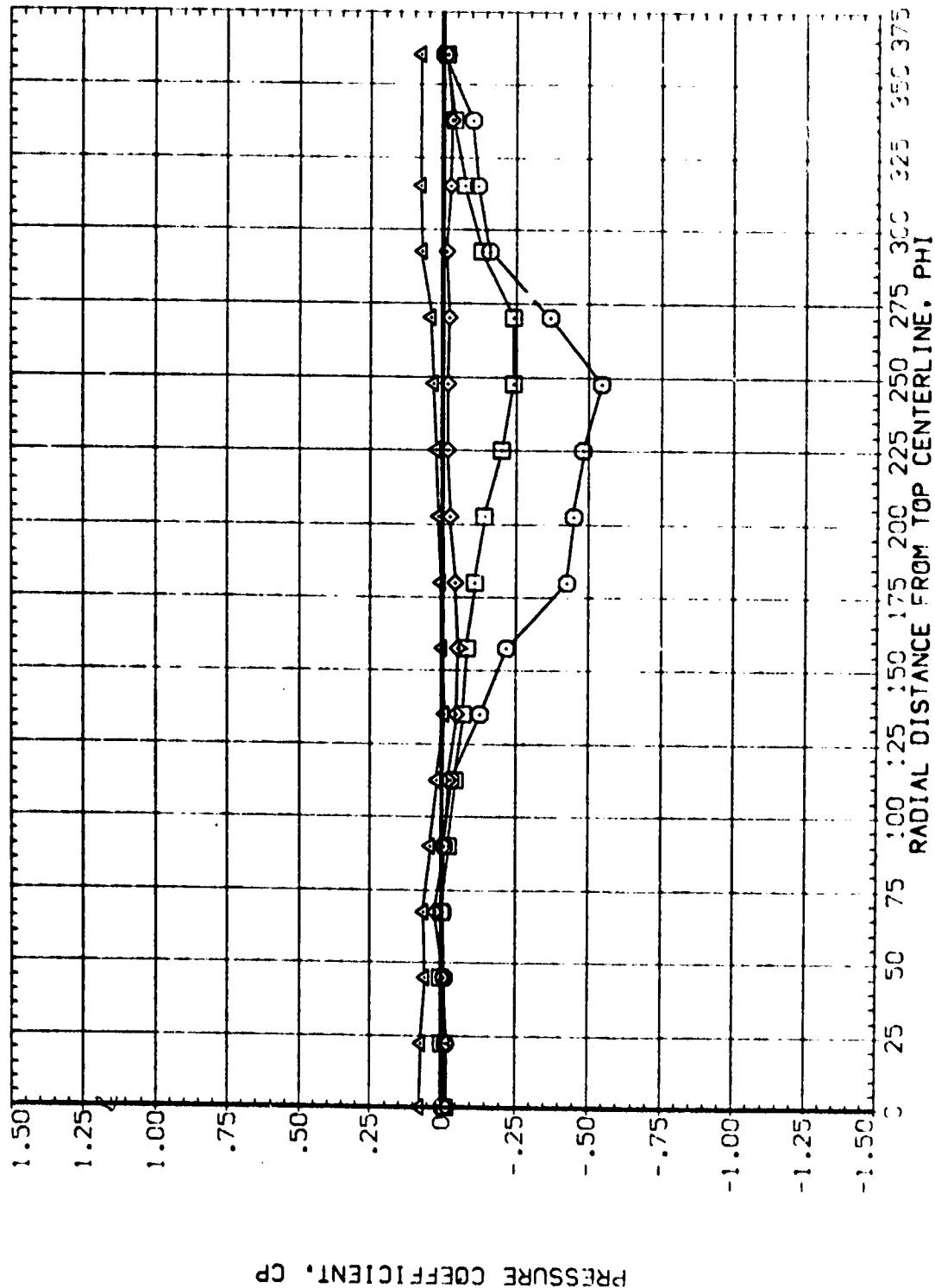
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	VMRP	SG. IN.	ALPHA	CONF IG	90.00C
◇	.043	-8.000	.900	6.198	5.313	5.313	2.549	IN.	DELTA Z	RUDDER	.000
◇	.072							IN.	X-SRB	ORGINC	.000
◇	.101							IN.			.500
◇	.116							IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

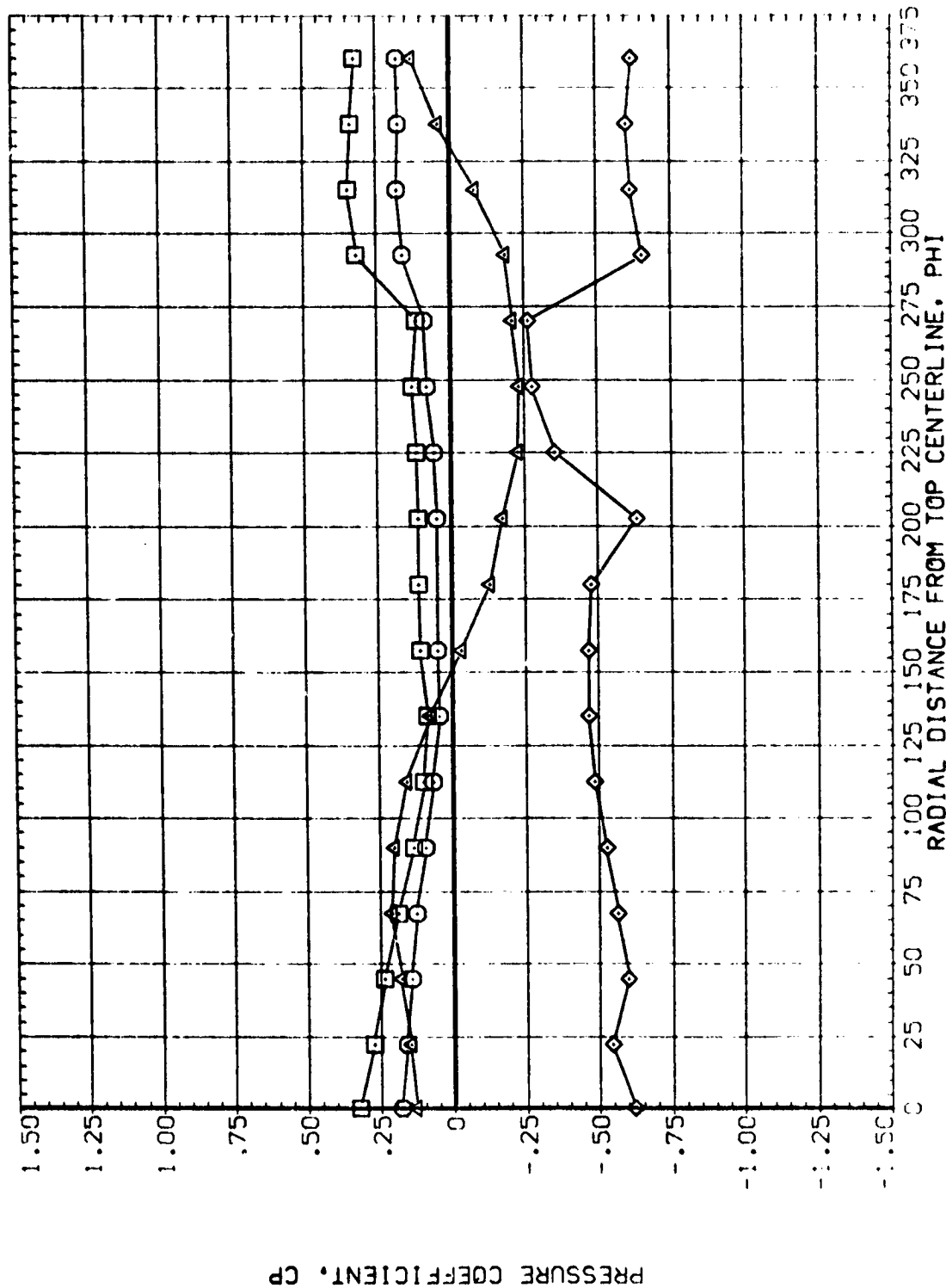
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SO. IN.	ALPHA	CONF. G	
○	.152	-8.000	.900	6.198	5.313	5.313	2.549	IN.	DELTA Z	.000	90.000
◇	.224							IN.	X-SRB	.140	.000
□	.332							IN.		.000	.500
△	.440							IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S06)

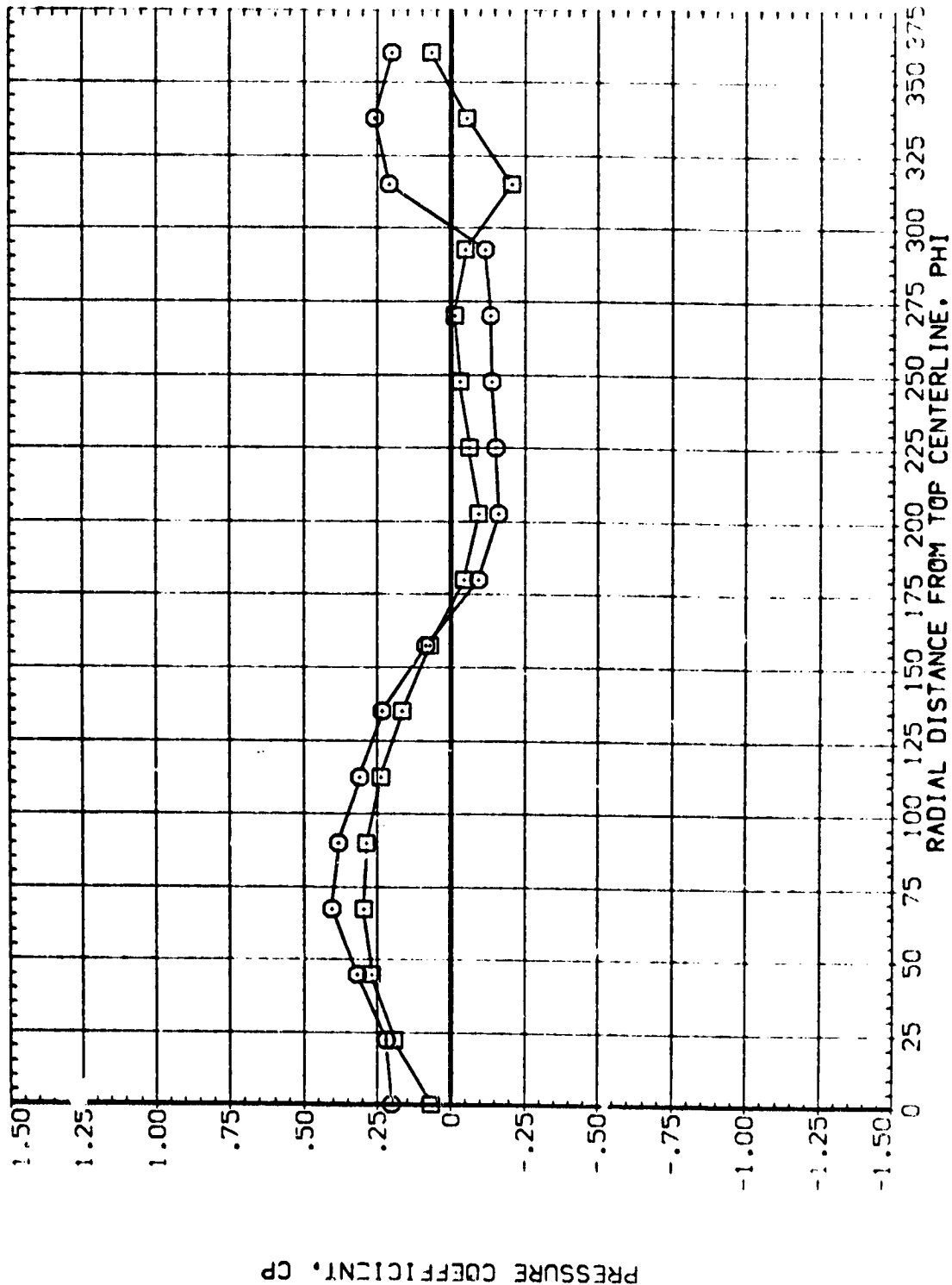
SYMBOL	V/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	DELTAZ	CONF IG	90.000
□	.549	-2.000	.900	5.198	5.313	5.313	2.549	.000	.140	RUDDER	.000
◇	.657							.000	.000	ORBITING	.500
△	.765										
▽	.883										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S06)

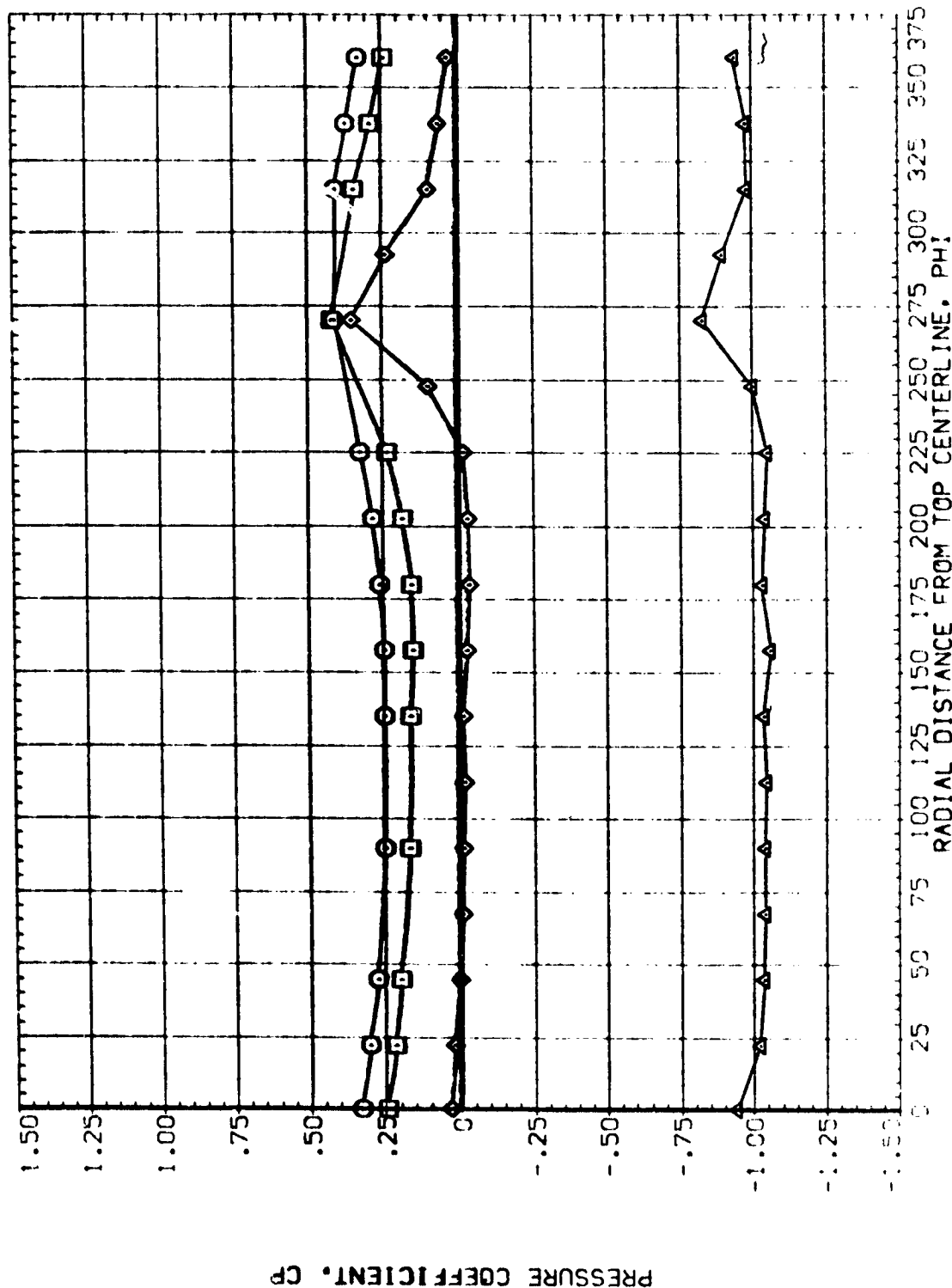
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	VMRP	ALPHA	CONF	RUDDER	DRBINC
□	.912	-8.000	.900	6.198	5.313	5.313	2.549	DELTAZ	.000	.140	.000
○	.955						.972	X-SRB	.000	.000	.500
							.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 03 U5

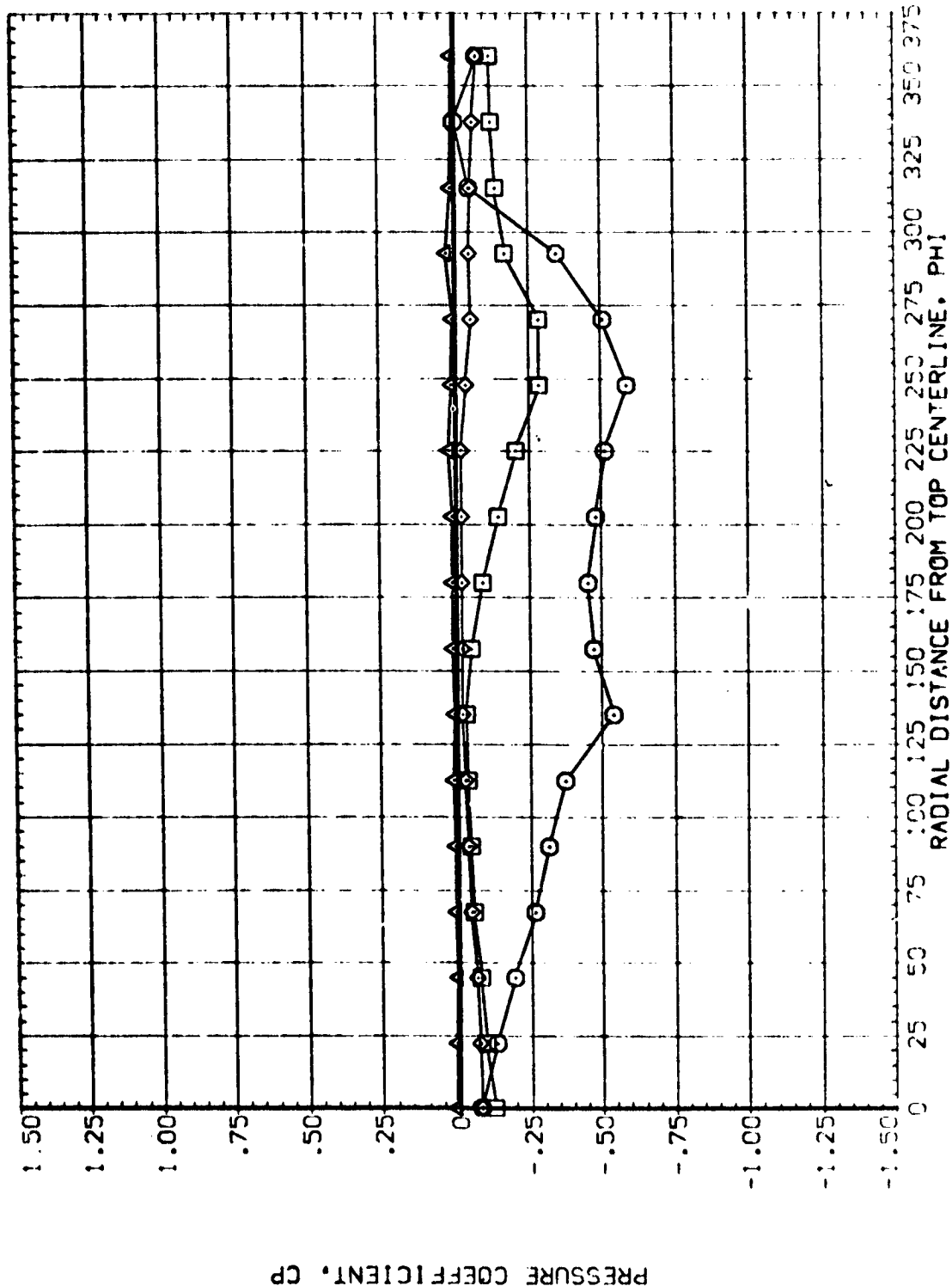
MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

SYMBOL	X/L/S	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SO. IN.	ALPHA	CONF IG	90.000
○	.043	.000	.900	6.198	5.313	5.313	2.545	IN.	DELTA Z	.140	RUDDER
□	.072	.000	.900	5.313	5.313	5.313	2.545	IN.	X-SRB	.000	DRB INC
◇	.101	.000	.900	5.313	5.313	5.313	2.545	IN.			
△	.116	.000	.900	5.313	5.313	5.313	2.545	IN.			



MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

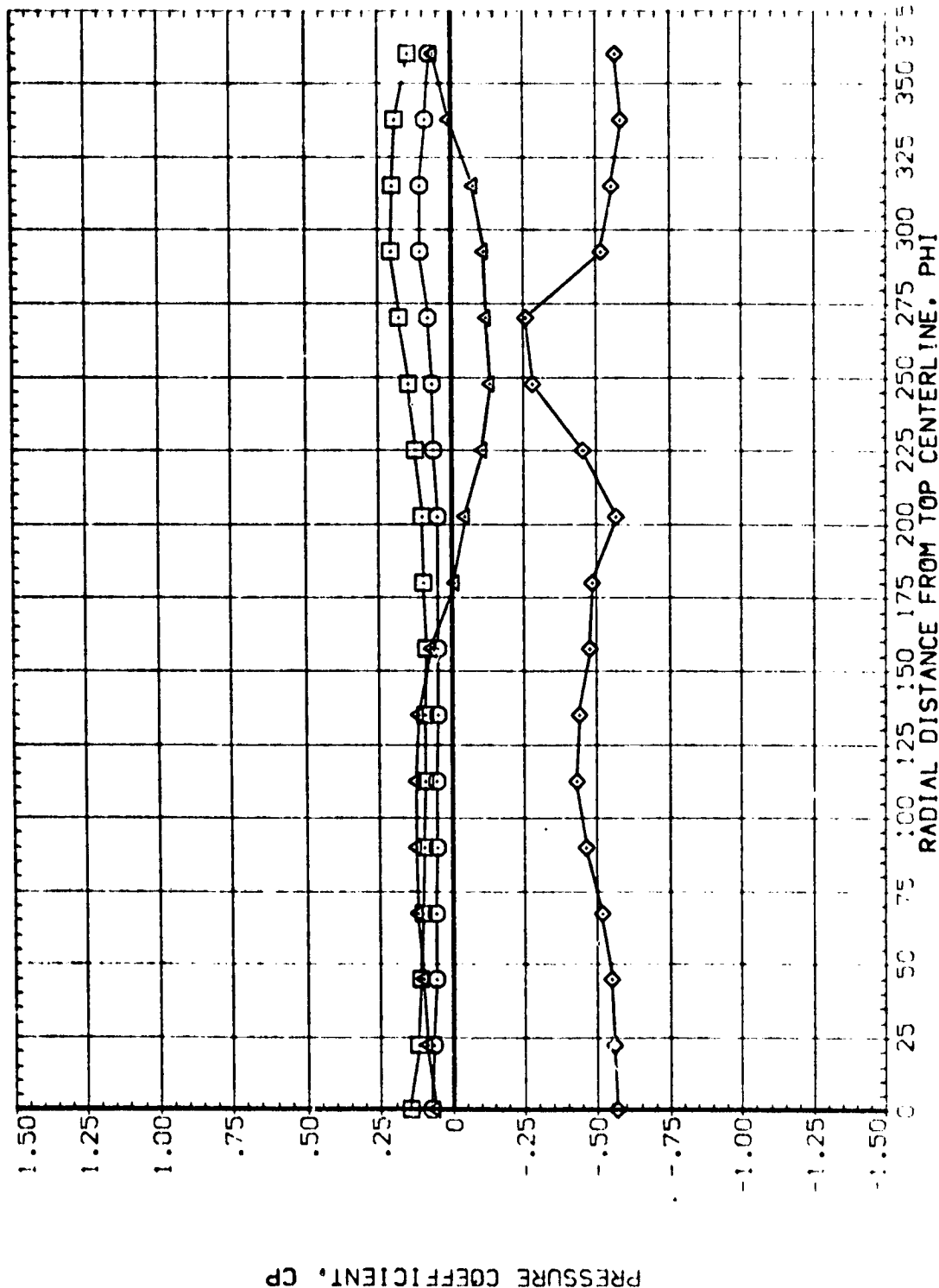
SYMBOL		X/VLS		BETA		MACH		REFERENCE DATA		ALPHA		PARAMETRIC VALUES	
○	○	.152	.000	.000	.900	SREF	6.198	50 IN.	DELTA Z	.000	CONFIG	.000	90.000
□	□	.224	.000	.000	.900	LREF	5.313	IN.	X-SRB	.140	RUDDER	.000	.000
△	△	.332	.000	.000	.900	BREF	5.313	IN.		.000	CRBINC	.500	.500
◇	◇	.440	.000	.000	.900	XMRP	2.549	IN.					
						YMRP	.972	IN.					
						ZMRP	.000	IN.					



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

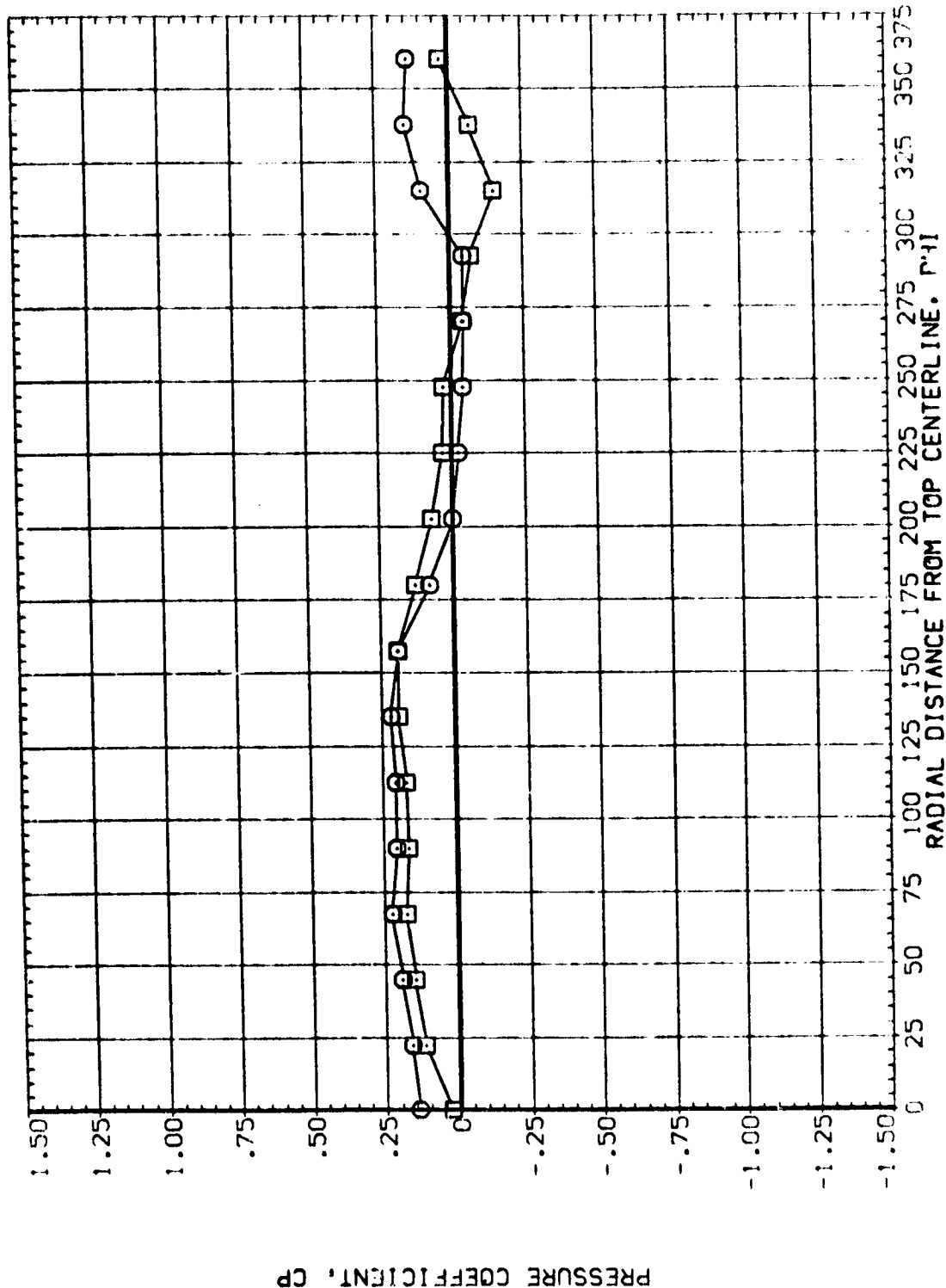
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XREF	ALPHA	CONFIG	RUDDER	ORBIT
◇	.549	.000	.900	6.198	5.313	5.313	2.549	DELTAZ	.000	.140	.000
◇	.657							X-SRB	.000	.000	.500
◇	.765										
◇	.883										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

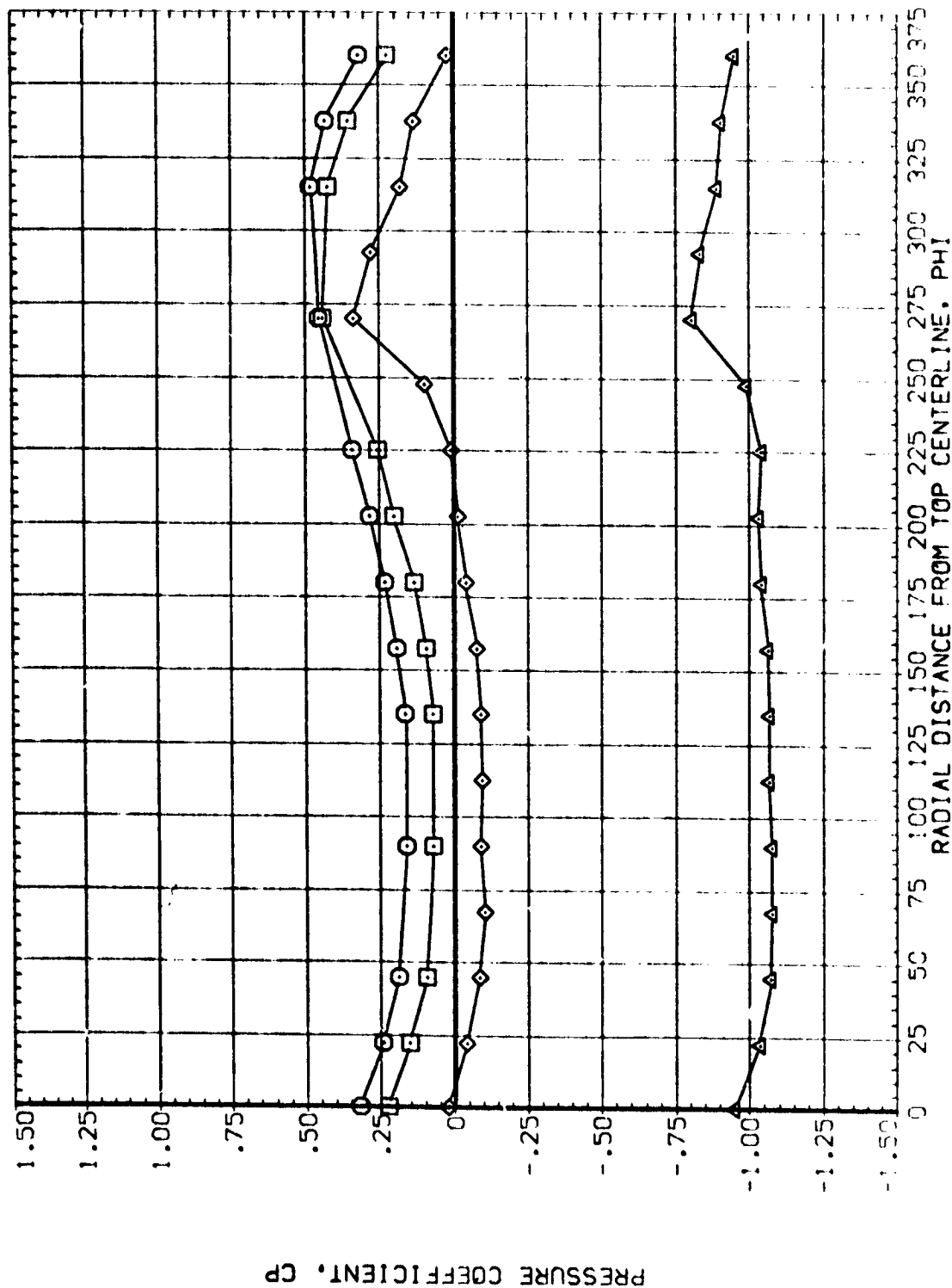
SYMBOL	X/L5	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	SD, IN.	ALPHA	CONF IG	
○	.912	.000	.900	6.198	5.313	5.313	2.549	IN.	DELTA Z	.000	RUDDER
□	.955	.000	.900	.972	.000	.000	.000	IN.	X-SRB	.000	ORIGIN
											.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 5C7(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S06)

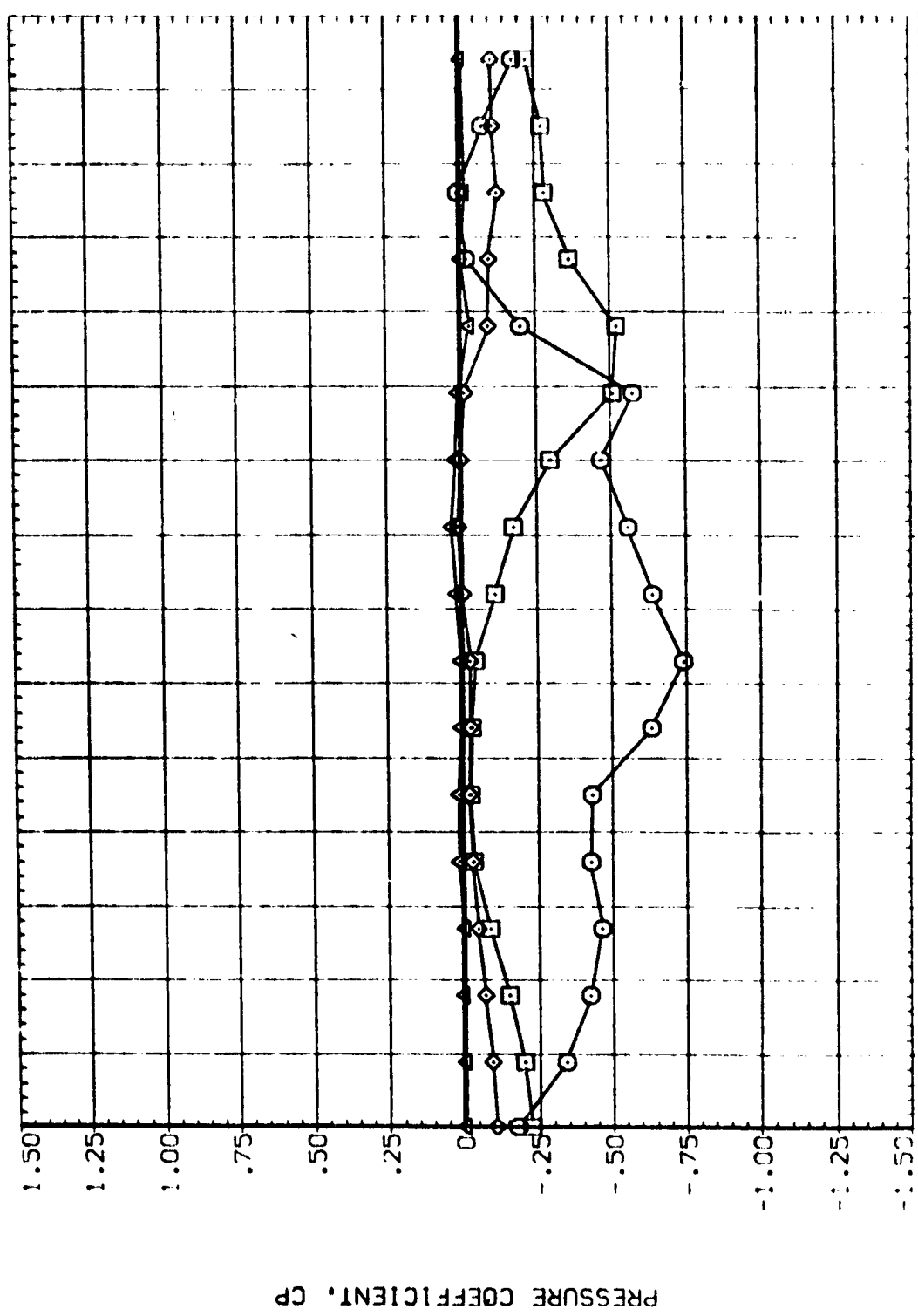
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	XREF	ZREF	ALPHA	DELTAZ	CONFIG	90.000
○	.043	8.000	.900	6.198	5.313	5.313	2.549	.000	.140	RUDER	.000
□	.072									ENGINE	.500
◇	.101										
△	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

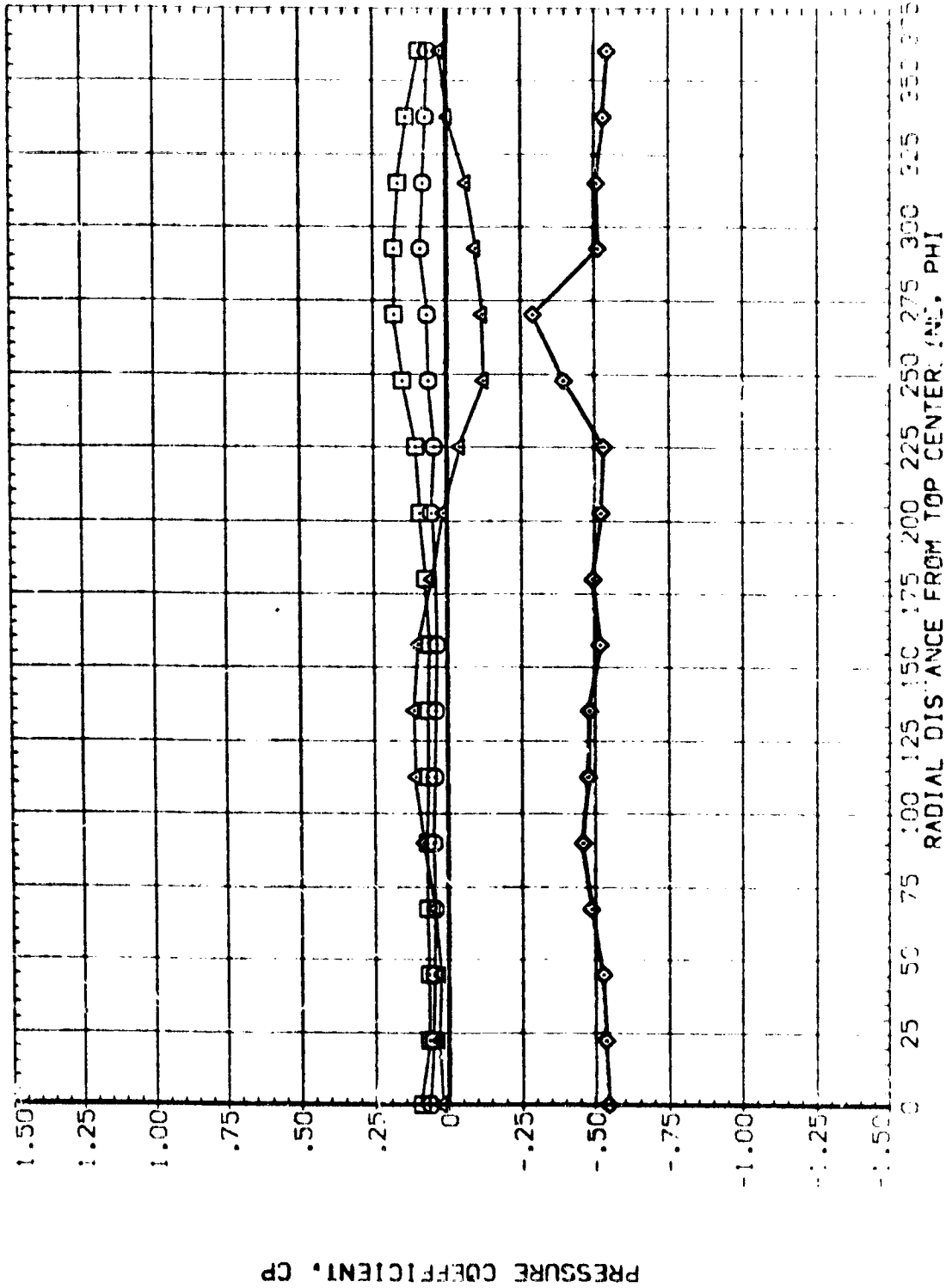
SYMBOL		REFERENCE DATA		PARAMETRIC VALUES	
X/LS	BETA	MACH	SREF	ALPHA	CONF IG
.152	8.000	.900	6.198	.000	.000
.224			5.313	DELTA Z	RUDER
.332			5.313	X-SRB	.000
.440			2.549		.500
			.972		
			.000		



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5
 RADIAL DISTANCE FROM TOP CENTERLINE, PHI
 PAGE 1425

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES		
				SREF	6.198	SO. IN.	ALPHA	90.000
◇	.549	8.000	.900	LREF	5.313	IN.	DELTA Z	.000
□	.657			SREF	5.313	IN.	RUDDER	.000
○	.765			XMRP	2.549	IN.	X-SRB	.000
△	.883			ZMRP	.572	IN.	ORBITAL	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

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x7LS
.912
.955

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6.198
5.313
5.313

22

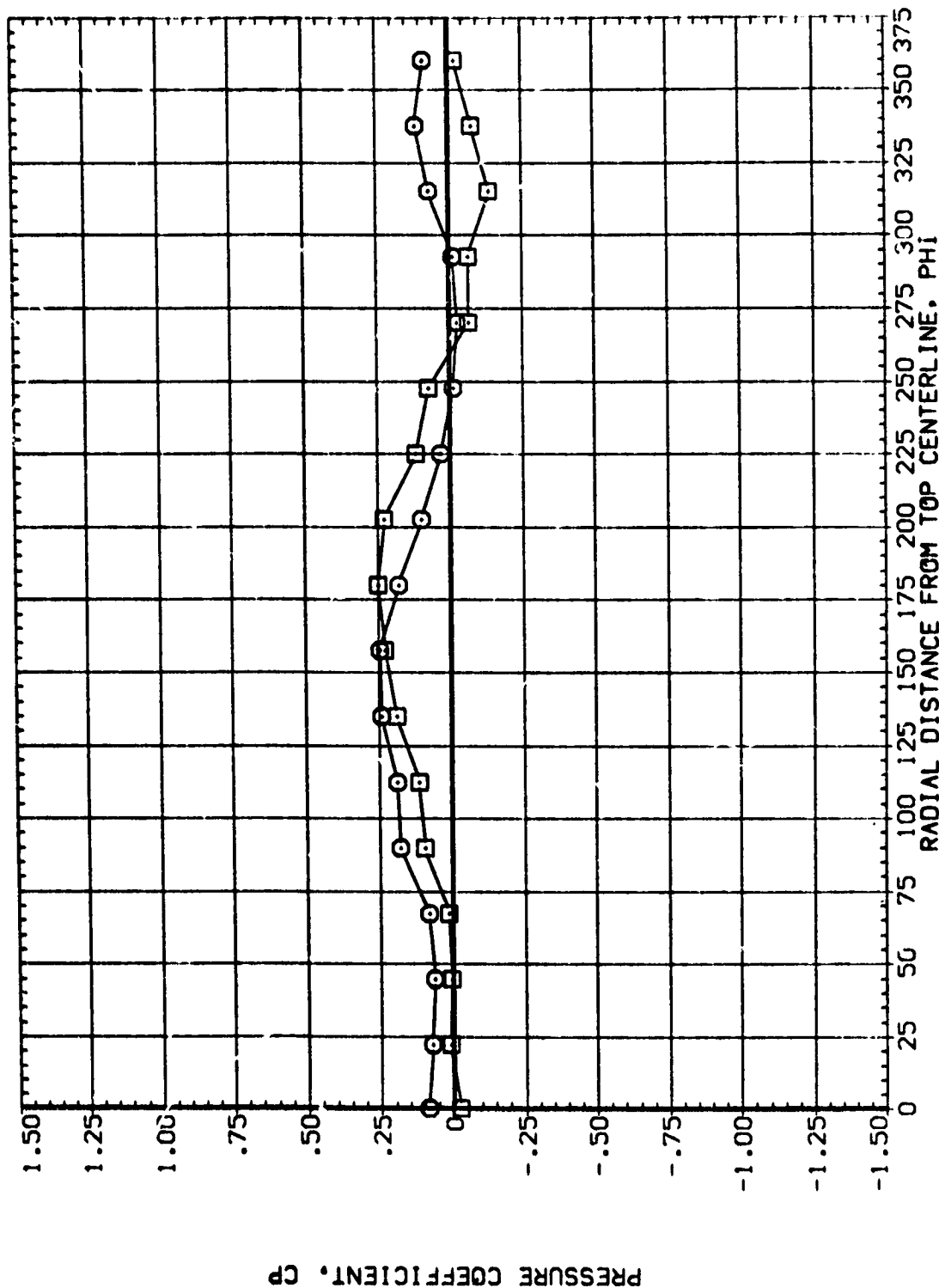
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DELTA
Y-EE

PAGE 3

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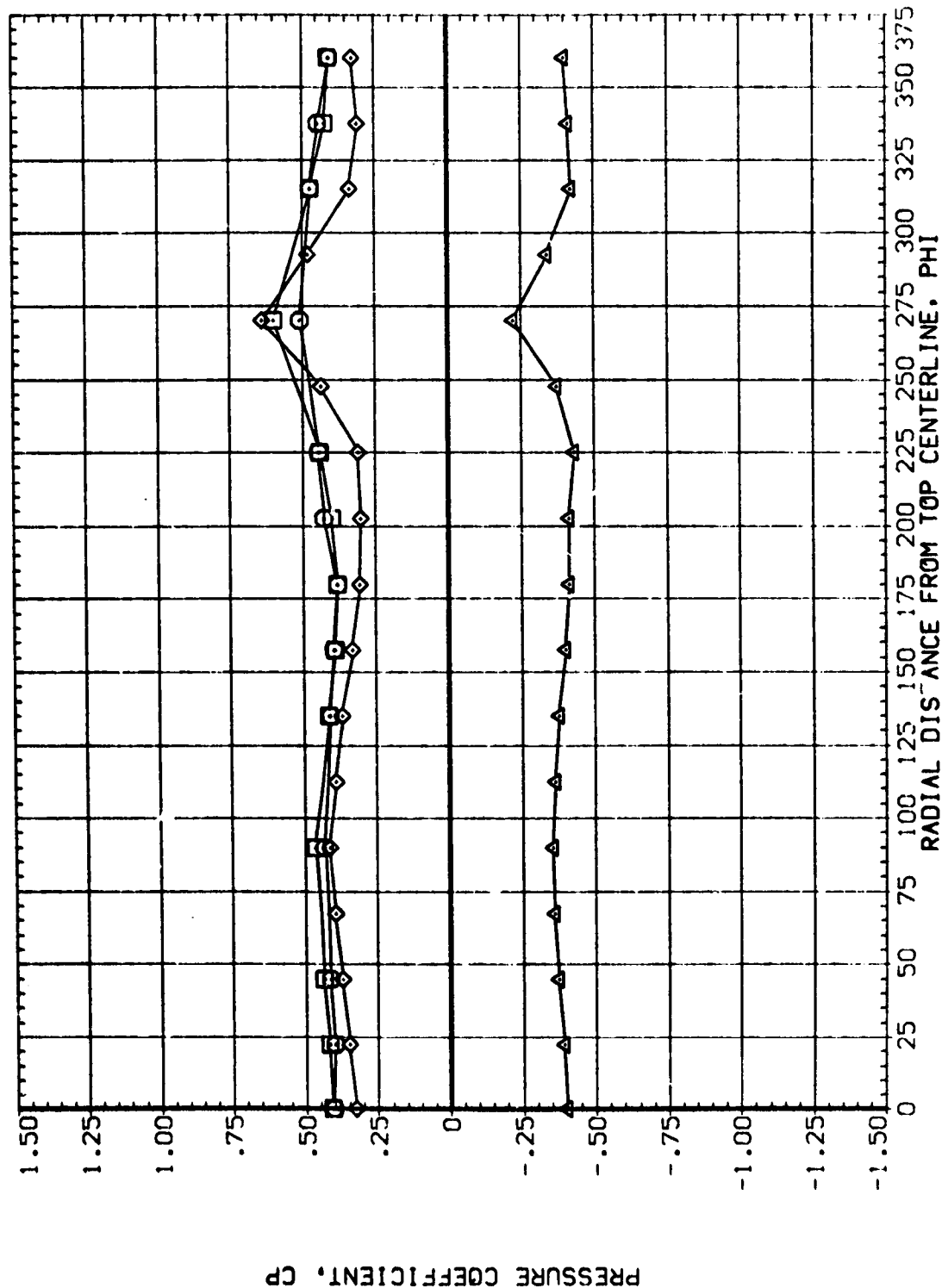
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RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S06)

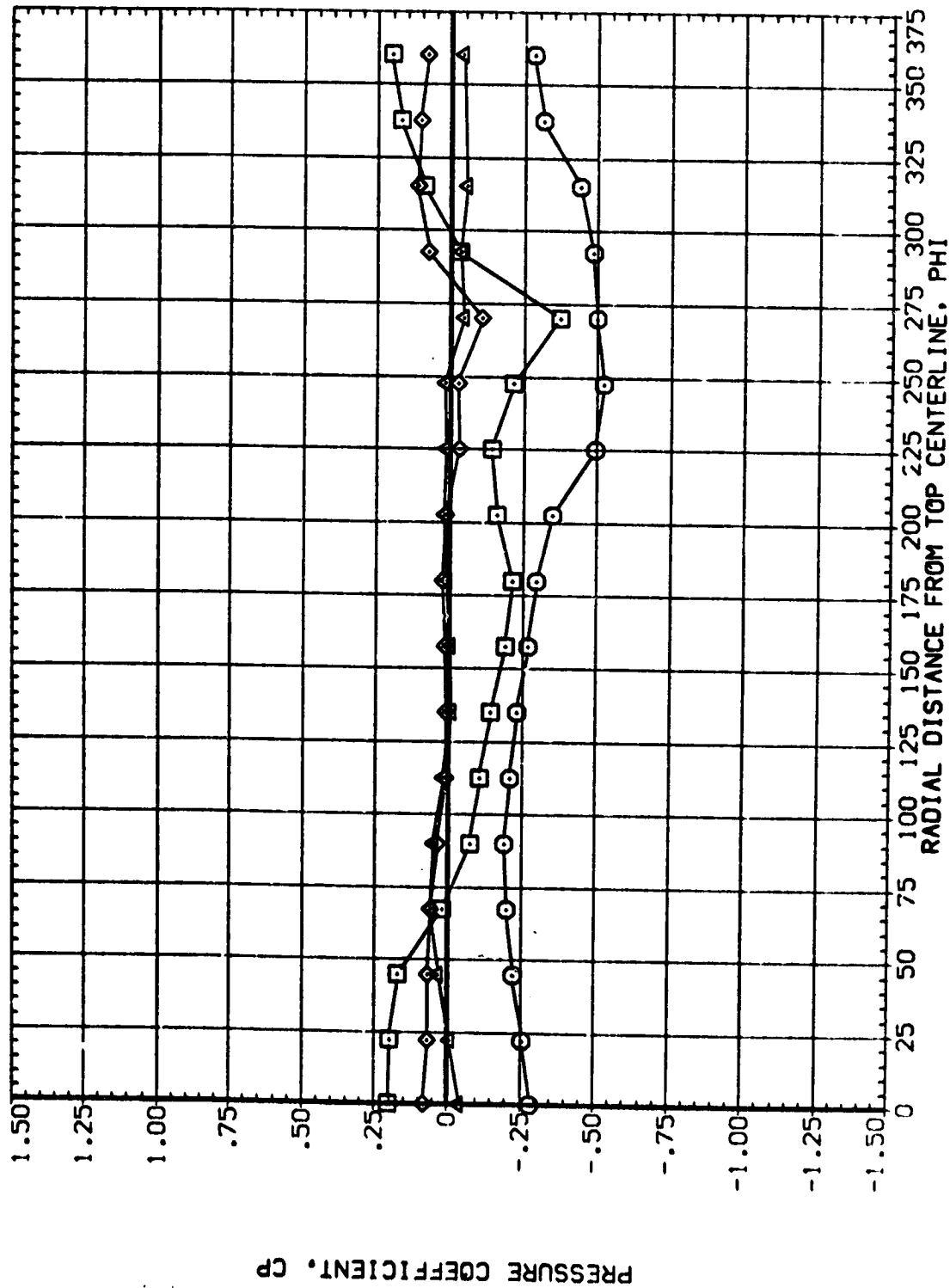
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				SREF	LREF	BREF	XMRP	SO. IN.	ALPHA	CONF IG	SO. IN.
○	.043	-8.000	1.250	6.198	5.313	5.313	2.549	IN.	DELTA Z	RUDER	.000
□	.072			2.572				IN.	X-SRB	ORB INC	.000
◇	.101							IN.			.500
△	.116							IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

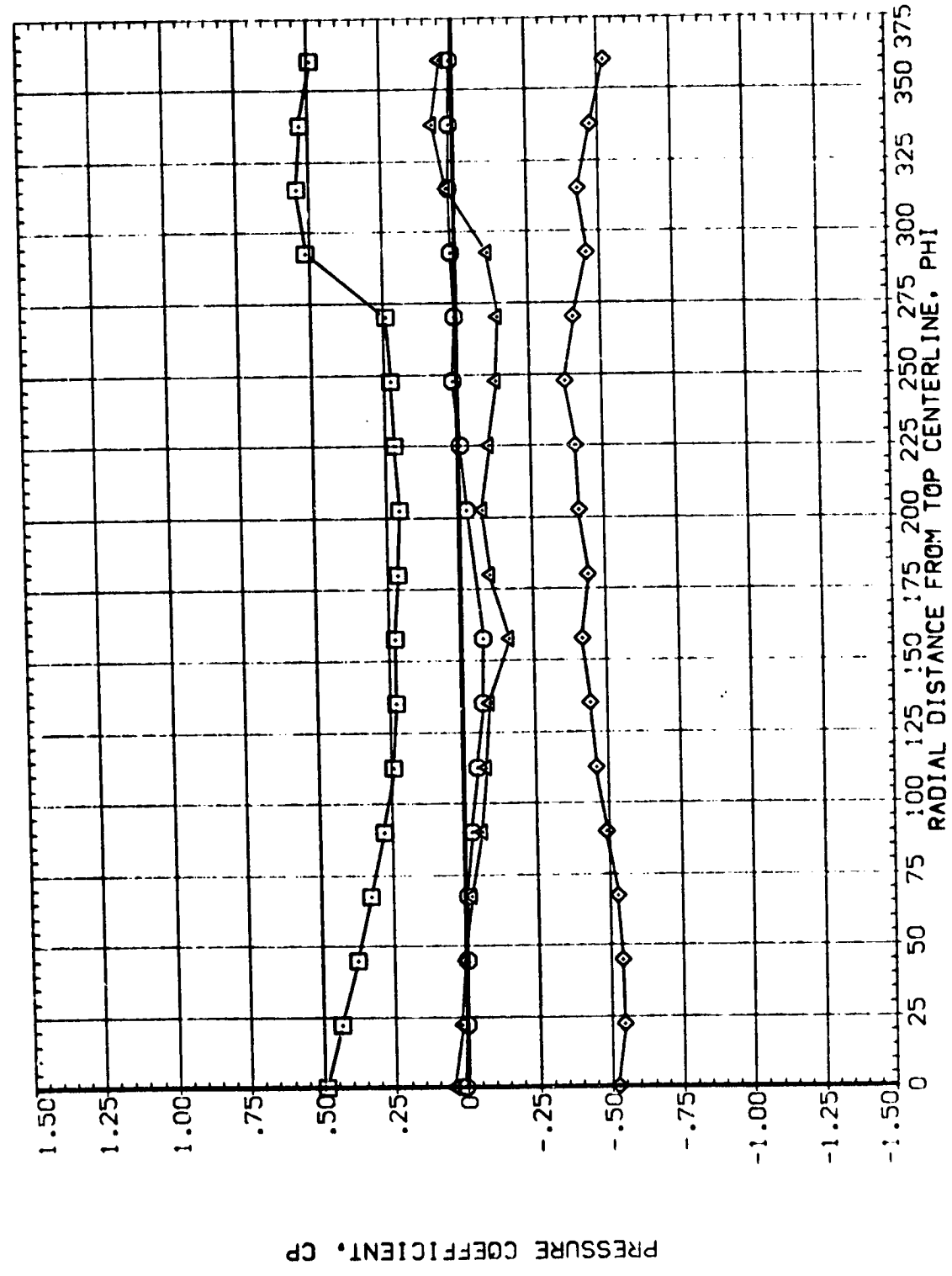
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XPRP	SD.IN.	ALPHA	DELTAZ	CONF16
○	.152	-8.000	1.250	5.198	5.313	5.313	2.549	IN.	0.000	.140	RUDDER
□	.224						.372	IN.	0.000		ORBIT
◇	.302						.000	IN.			
△	.440						.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

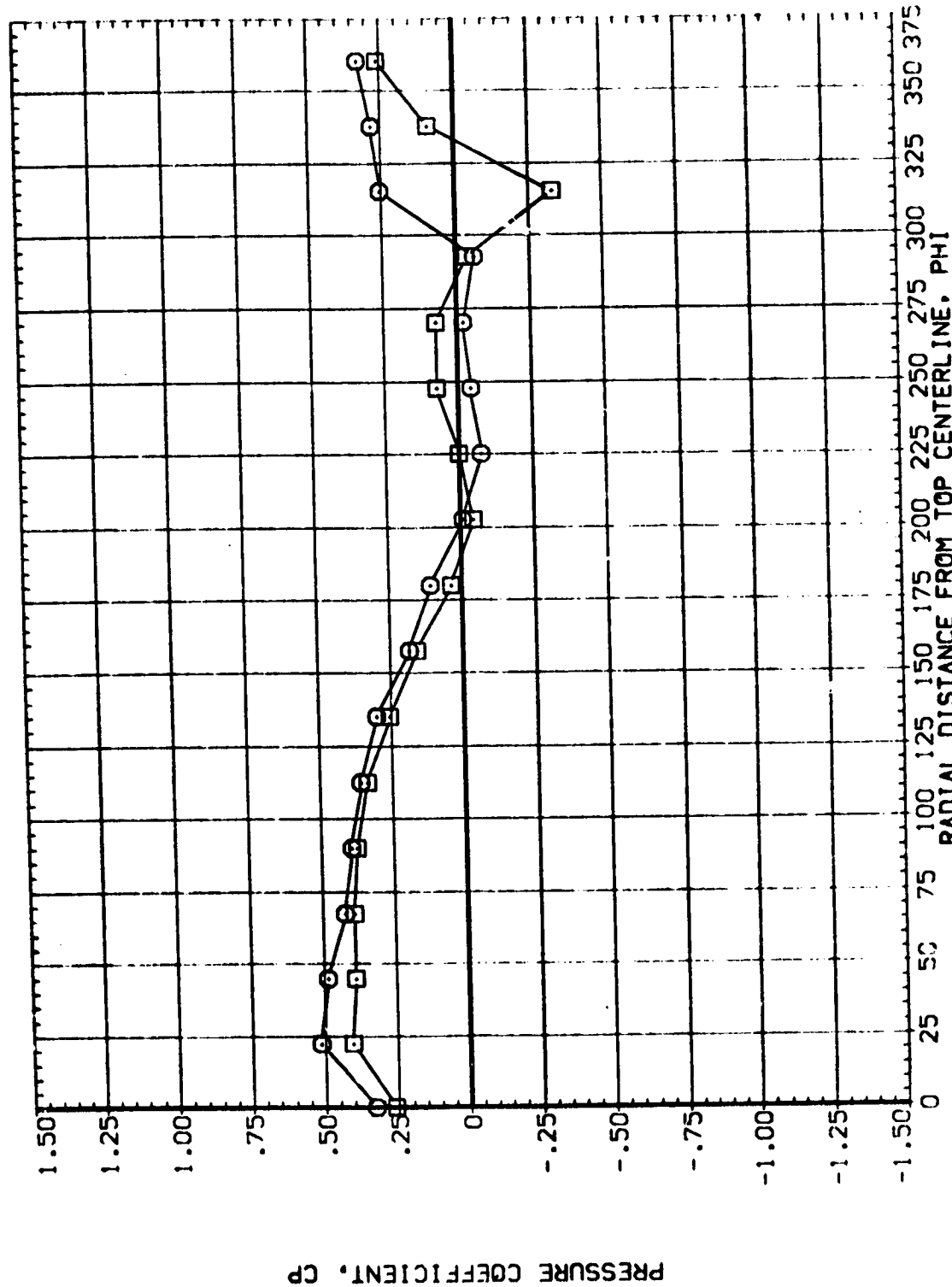
SYMBOL	X/L5	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	SO. IN.	ALPHA	CONF IG
○	.549	-8.000	1.250	LREF	5.313	DELTA Z	.140
□	.657			BREF	5.313	X-SRB	.000
◇	.765			X4RP	2.549		ORBITAL
△	.883			Y4RP	.972		
				Z4RP	.000		



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

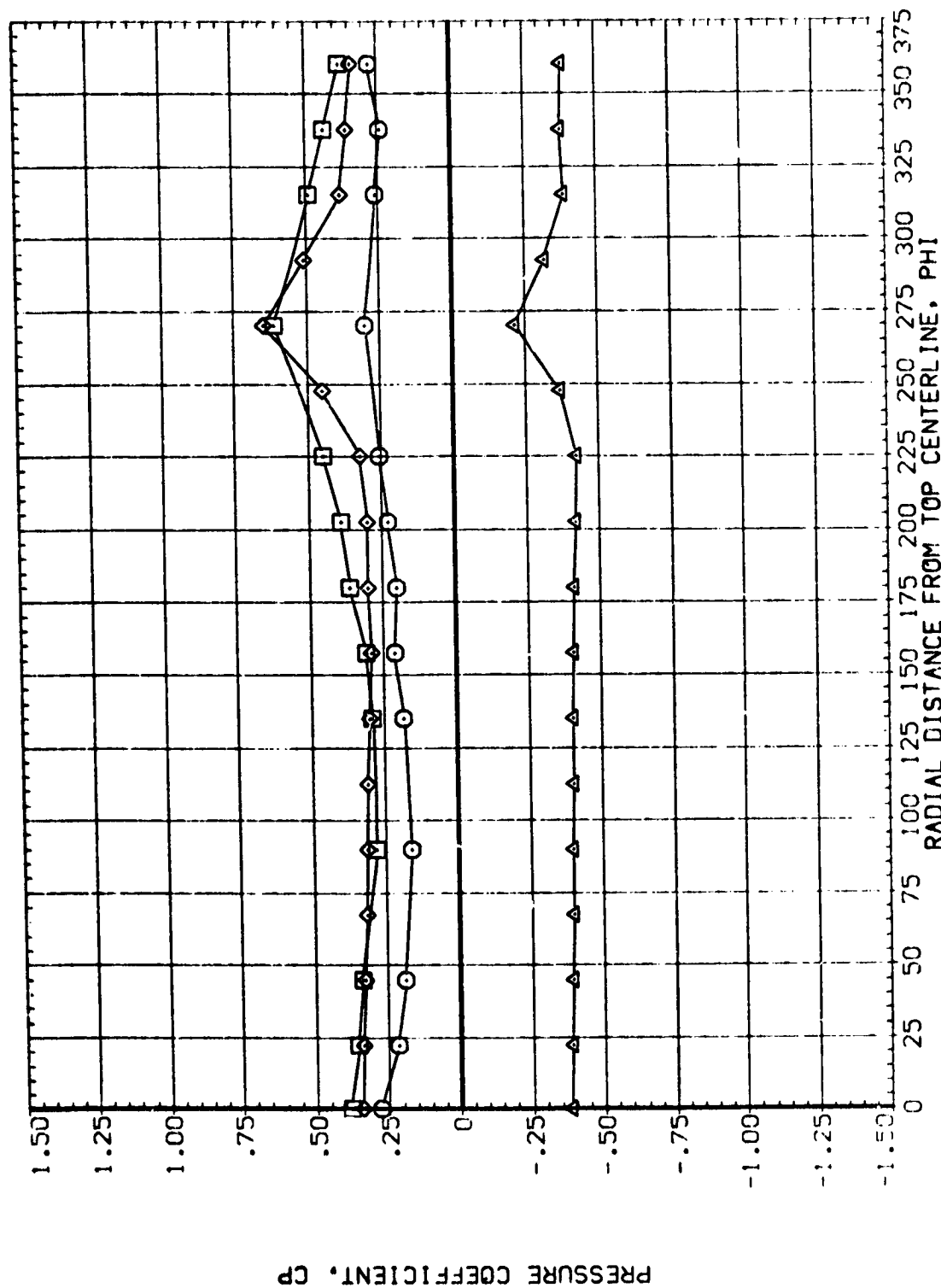
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SRUF	LINEF	BREF	XMRP	ALPHA	CONFIG	CONFIG	CONFIG
○	.912	-9.000	1.250	8.199	5.313	5.313	2.549	DELTAZ	.000	.140	.000
□	.995						.972	X-SRB	.000	.000	.500
							.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

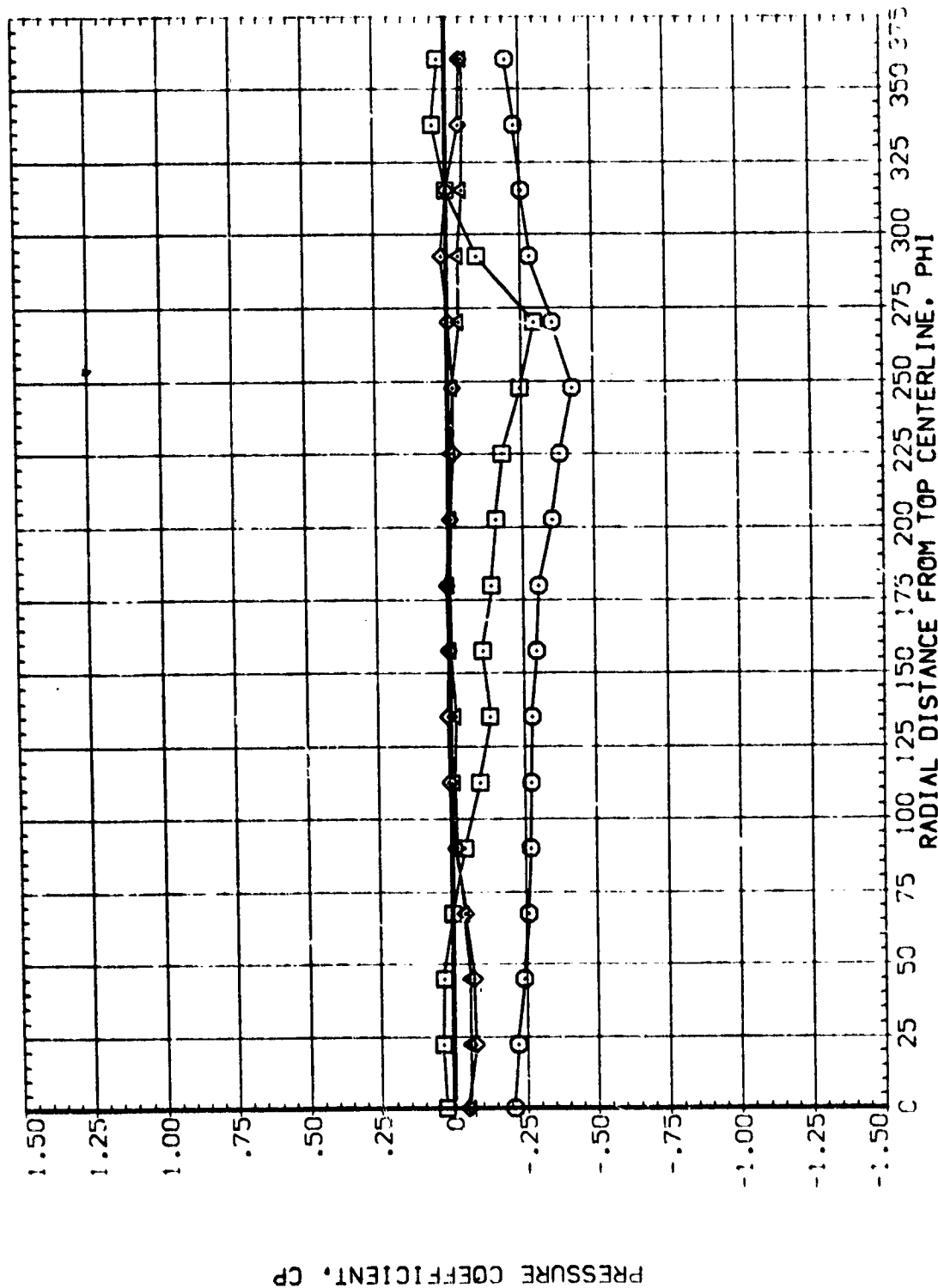
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	CONF IG	RUDDER	ORBITAL
○	.043	.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.000	.143	.000
□	.072							X-SRB	.000	.000	.500
◇	.101										
△	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

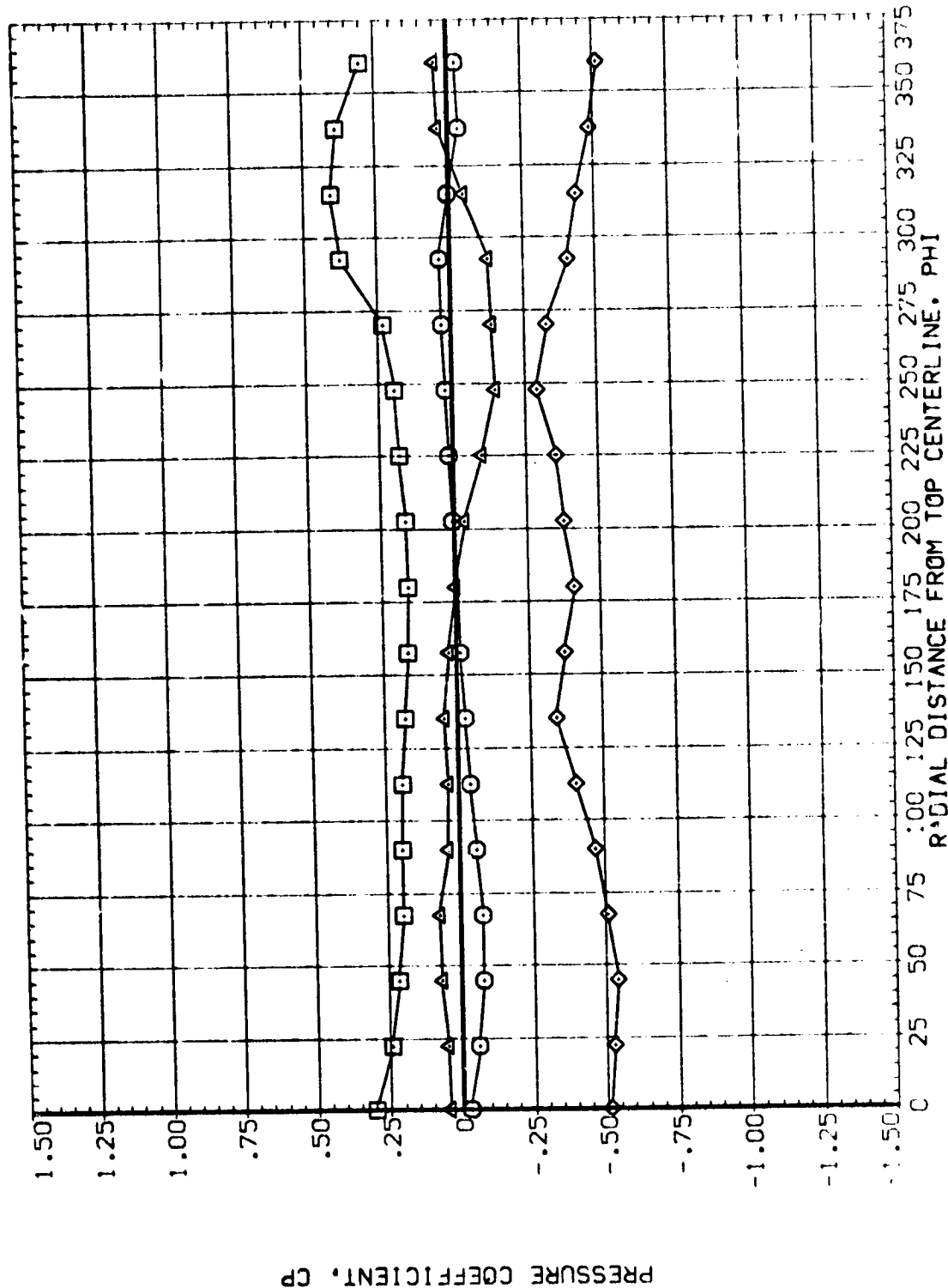
SYMBOL	X/LC	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	YMRP	ZMRP	ALPHA	DELTAZ
◇	.152	.000	1.250	6.198	5.313	5.313	2.549	.972	.000	.000	.140
□	.224										.000
◇	.332										.000
◇	.440										.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

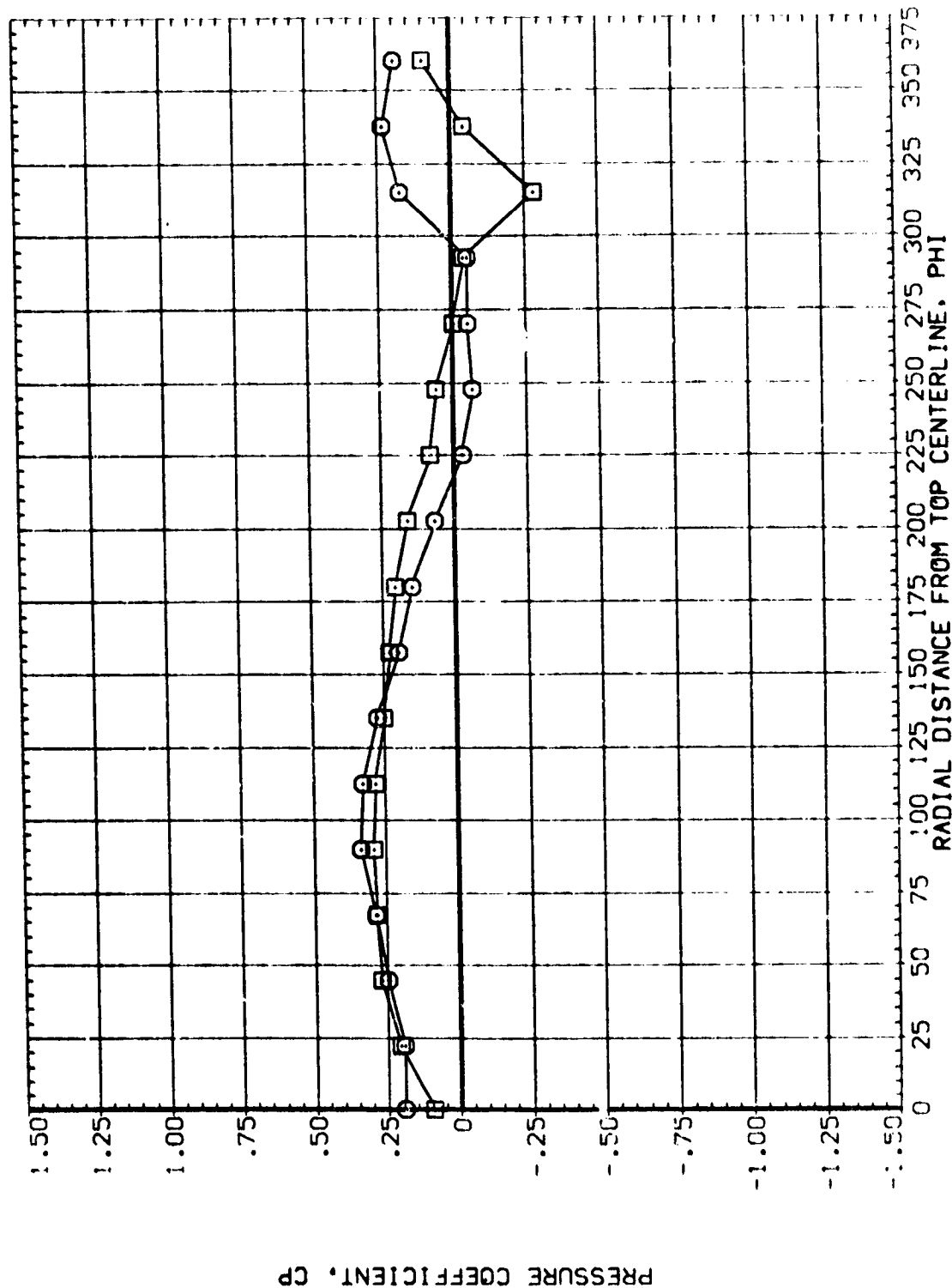
SIMBOL	X/LS	BETA	MACH	REFERENCE DATA	ALPHA	PARAMETRIC VALUES
□	.549	.000	1.250	SREF 6.198	DELTAZ	CONF IG 90.000
◇	.657			LREF 5.313	X-SRB	RUDDER .000
◇	.765			IAREF 5.313		DRB INC .500
△	.883			YMRP 2.548		
				ZMRP .972		



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

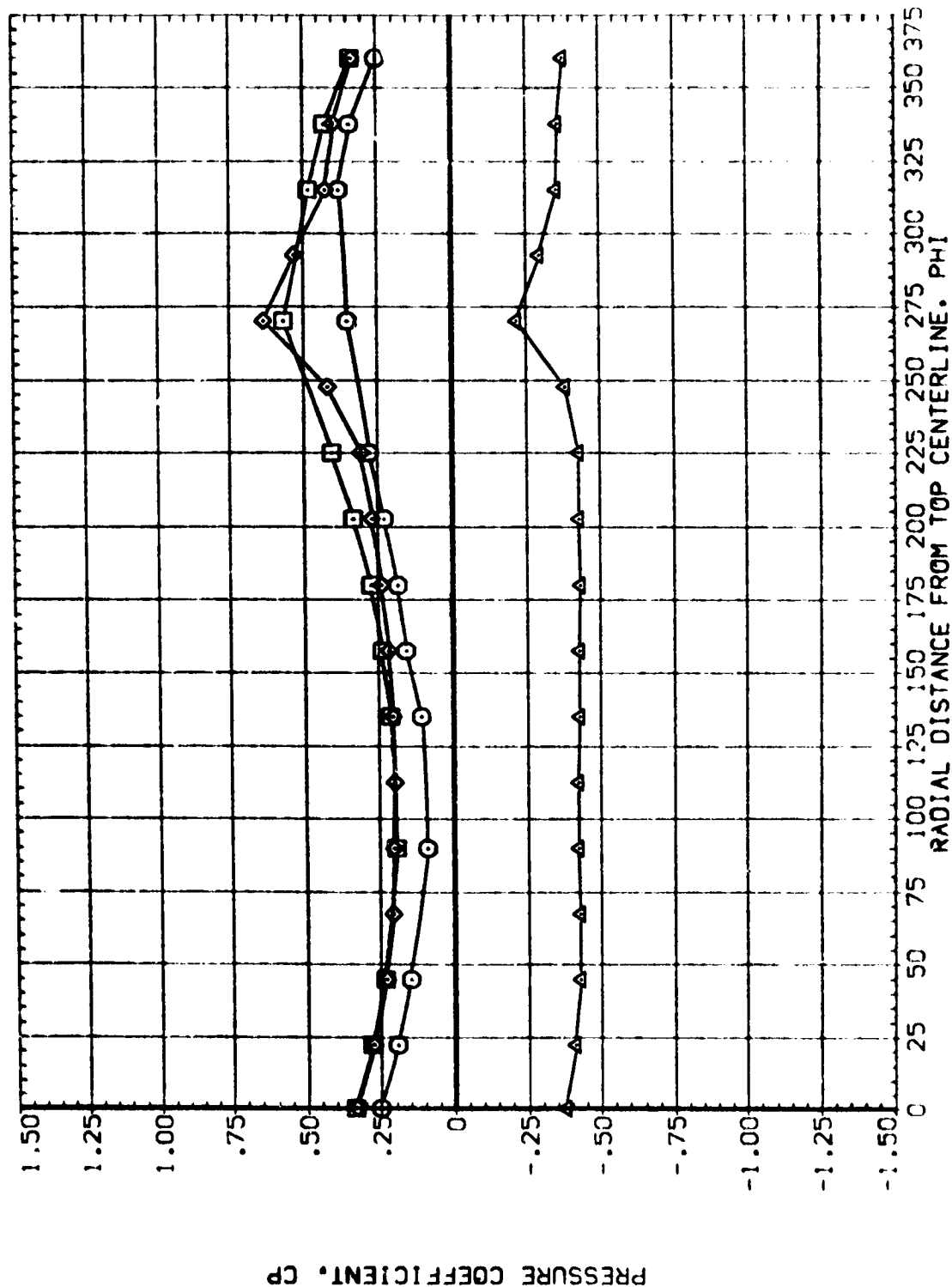
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	CONF IG	RUDDER	ORBIT INC
□	.912	.000	1.250	6.198	5.313	5.313	2.549	DELTA Z	.000	.140	.000
□	.955						.972	X-SRB	.000	.000	.500
							.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82506)

SYMBOL	X/L5	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.043	8.000	1.250	SREF 6.198	.003 CONFIS 90.000
□	.072			LREF 5.313	.140 RUDDER .000
◇	.101			BREF 5.313	.000 ORBINC .500
△	.116			XREF 2.549	
				YREF .972	
				ZREF .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

7-10-54

K/L/S
.152
.224
.332
.440

BETA	MACH
8.000	1.250

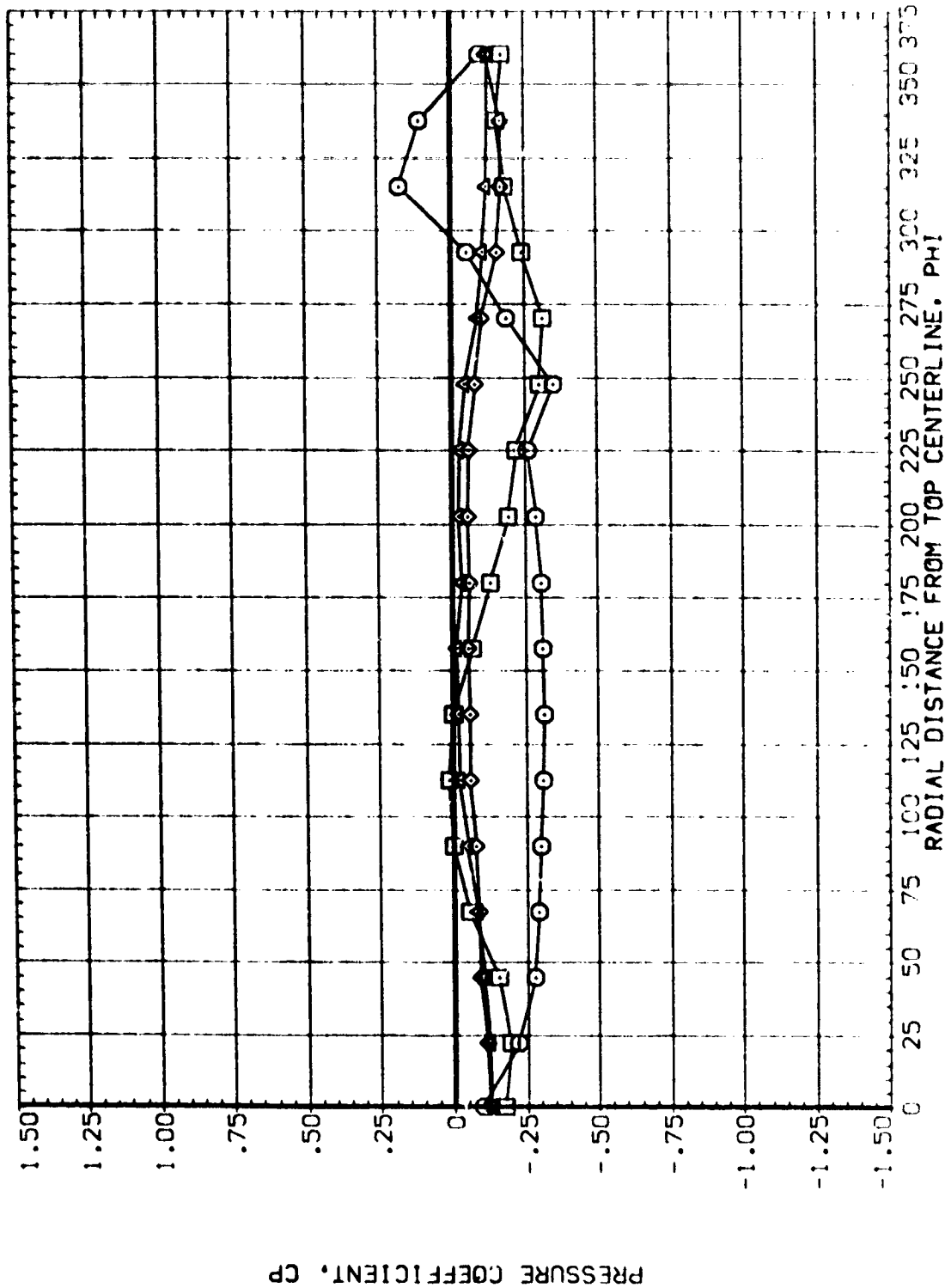
REFERENCE DATA
SREF
LREF
BREF
XMRP
YMRP
ZMRP

50. IN.

ALPHA
DELTA Z
X-SRB

PARAMETRIC VALUES

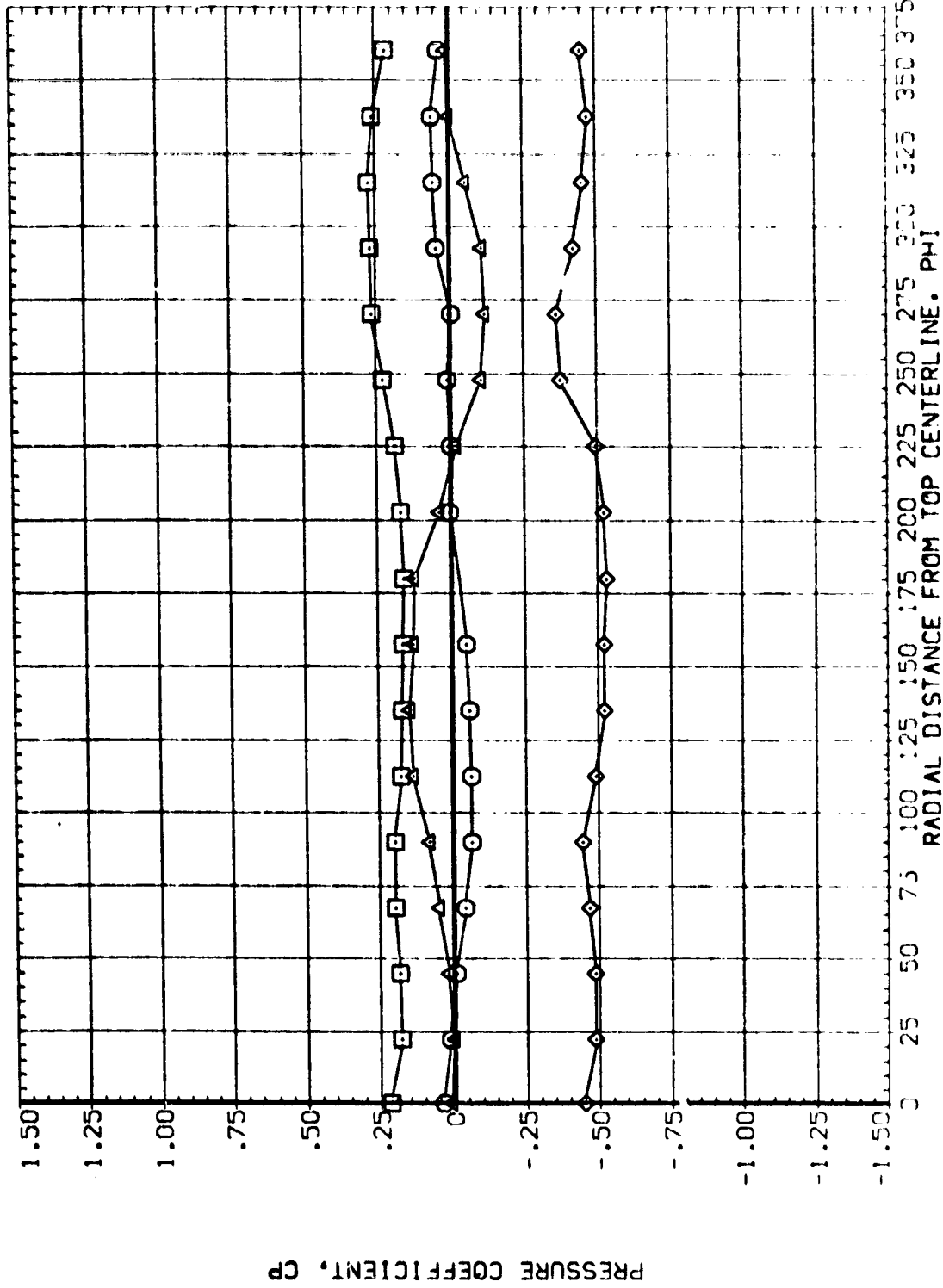
.000	CGF16	90.000
.140	RUDER	.300
.000	GRBINC	.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 S3 US

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

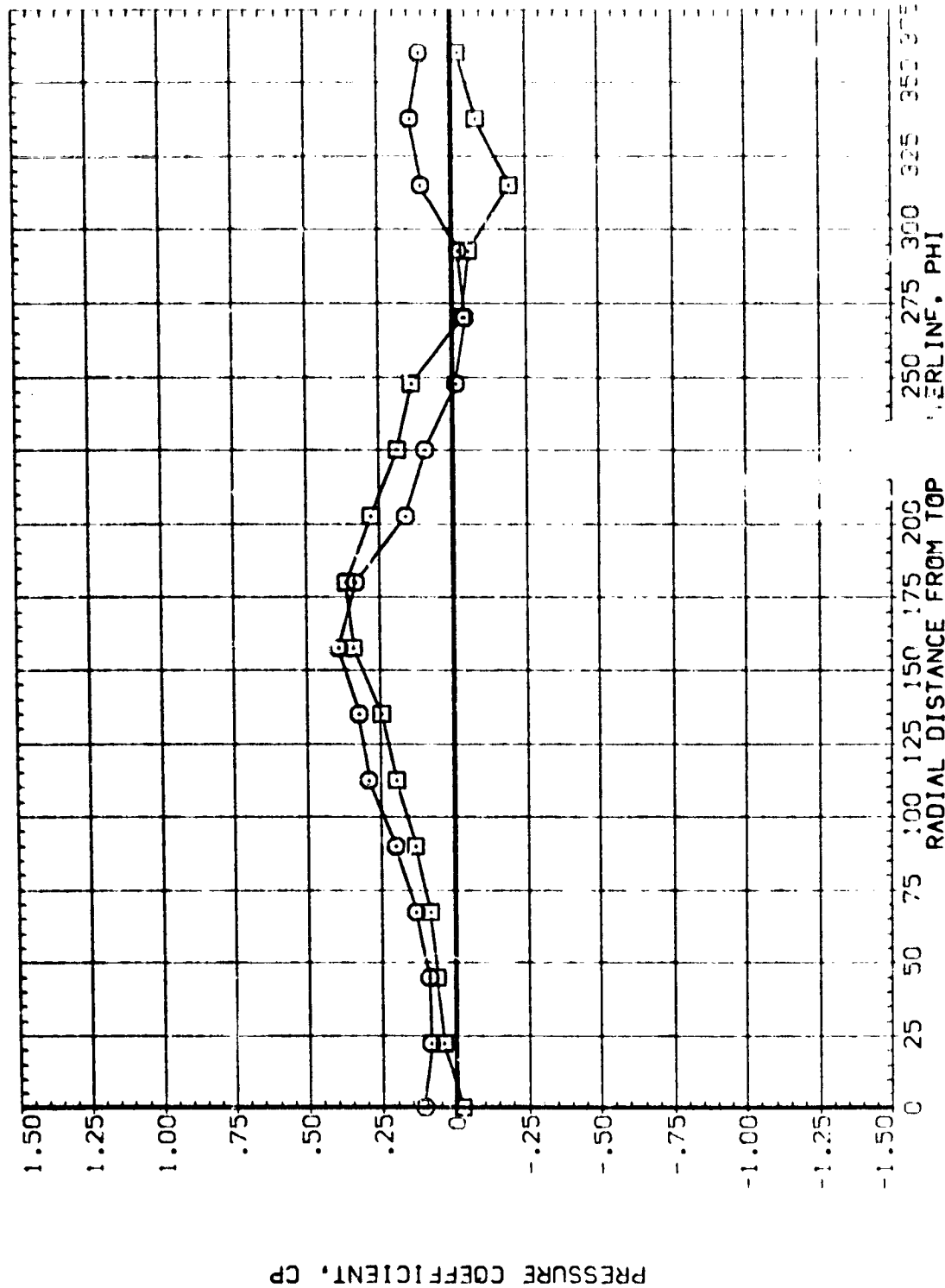
SYMBOL	X/L	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
◇	.549	8.000	1.250	SREF 6.198	.000
□	.657			LREF 5.313	.000
△	.765			BREF 5.313	.140
	.883			YMRP 2.549	.000
				ZMRP .972	.500
					.000



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 C3 U5 SRM BOOSTER (A82S06)

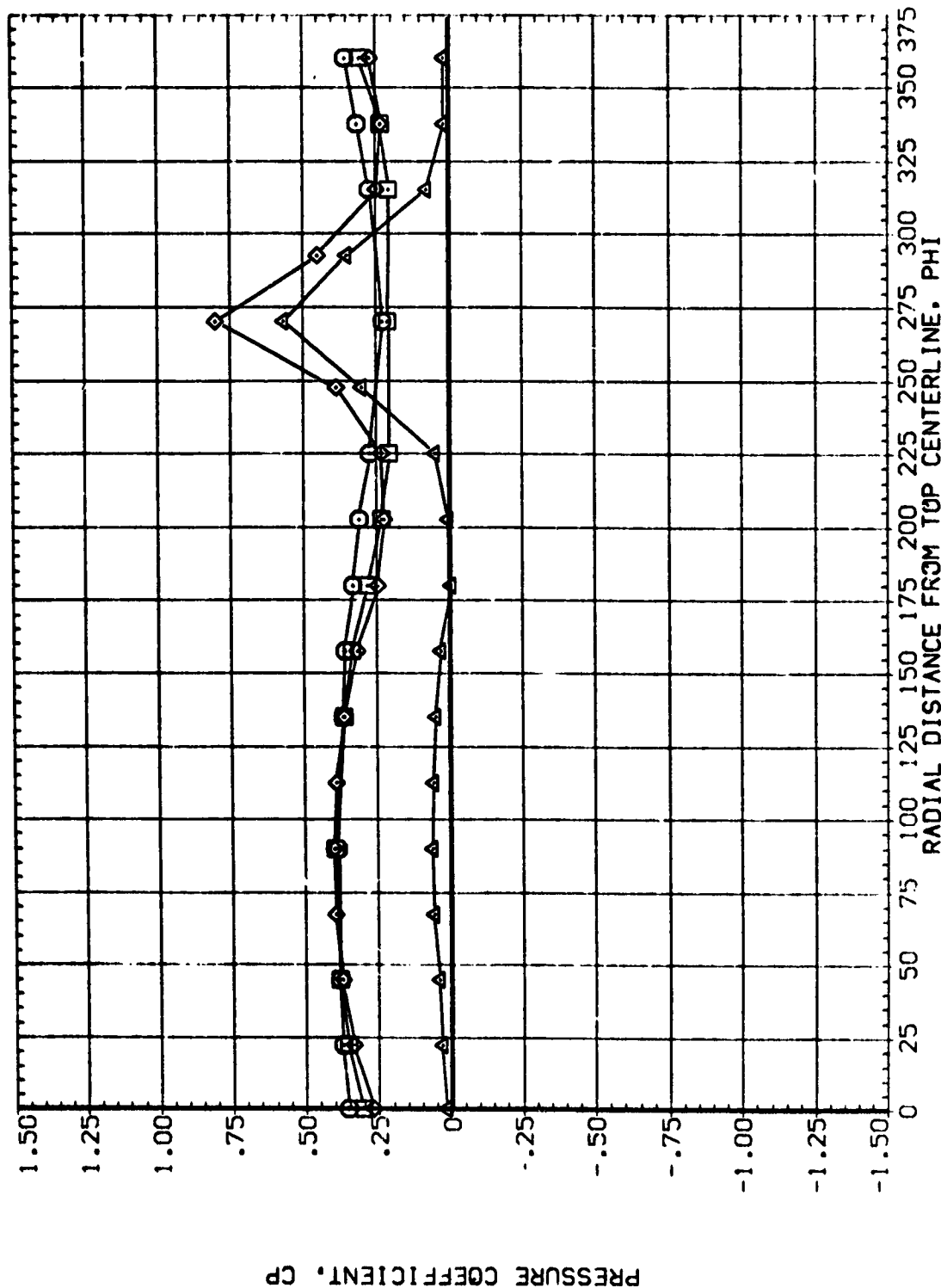
SYMBOL		REFERENCE DATA		PARAMETRIC VALUES	
X/LS	BETA	MACH		ALPHA	CONFIS
.912	8.000	1.250	SREF 6.198	.000	.000
.955			LREF 5.313	.140	.000
			BREF 5.313	.000	.000
			XMRP 2.549		.500
			YMRP .972		
			ZMRP .000		



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 C3 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S06)

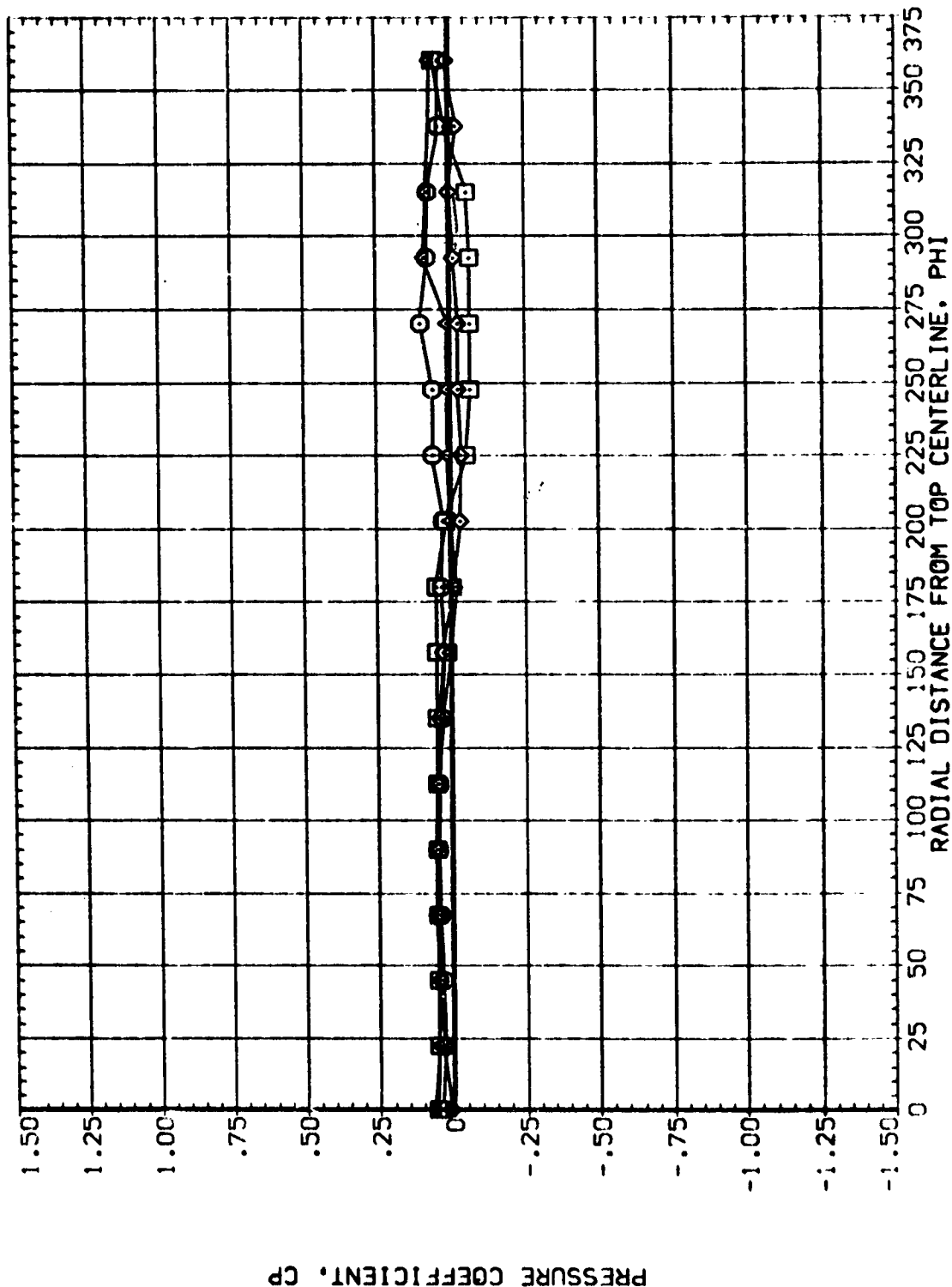
SYMBOL	X/L	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	ALPHA	DELTAZ	CONF IG	
○	.043	-8.000	3.500	5.198	5.313	5.313	2.549	.000	.140	RUDER	.000
□	.072							.000		PERP INC	.500
◇	.101										
△	.116										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

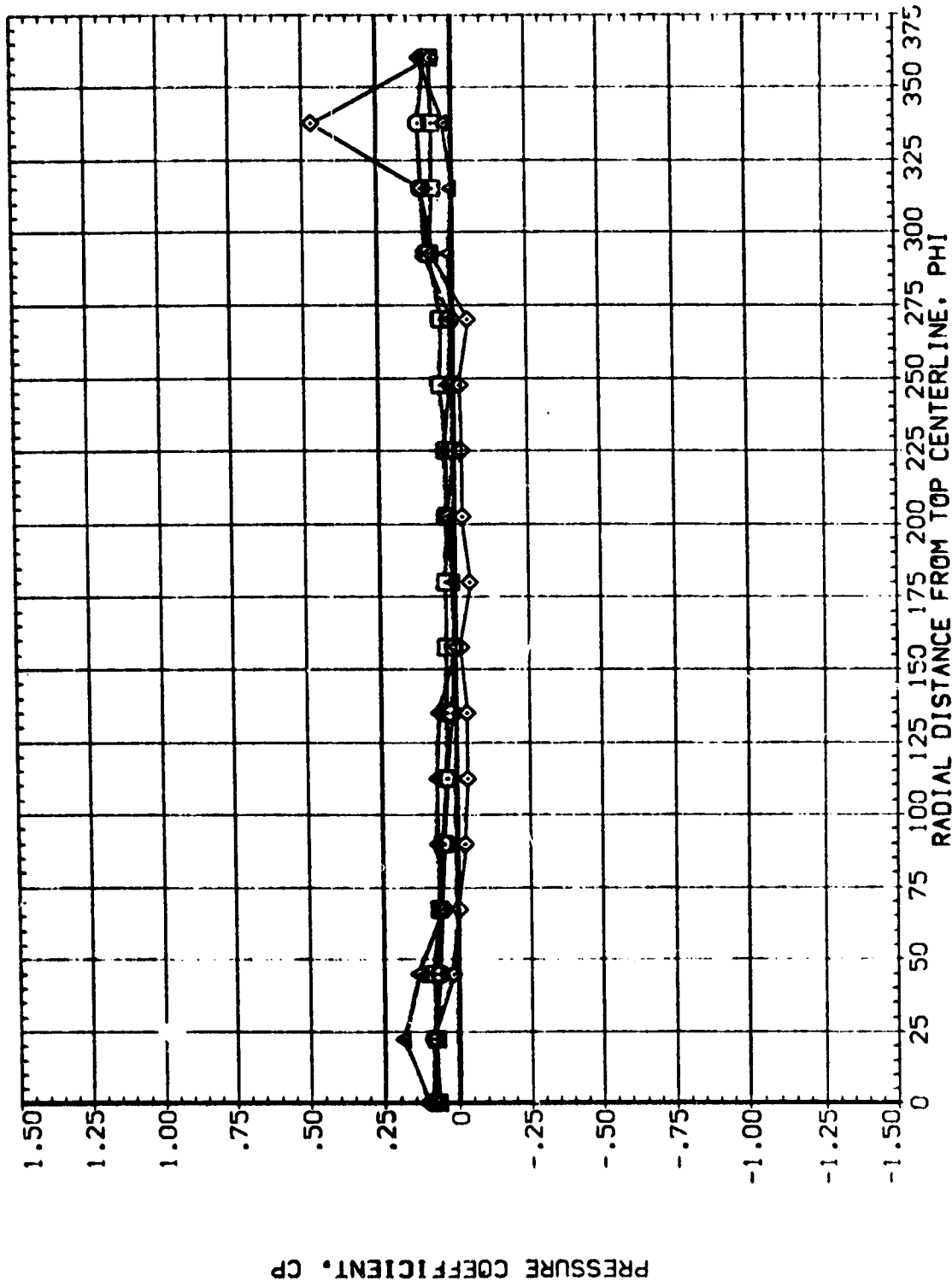
SYM	X/S	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	50. IN.	ALPHA	CONF 16	90.000
◇	.152	-8.000	3.500	6.198	5.313	5.313	2.549	IN.	DELTA Z	.140	.000
◇	.224						.972	IN.	X-SRB	.000	.500
◇	.332						.000	IN.			
◇	.440										



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S06)

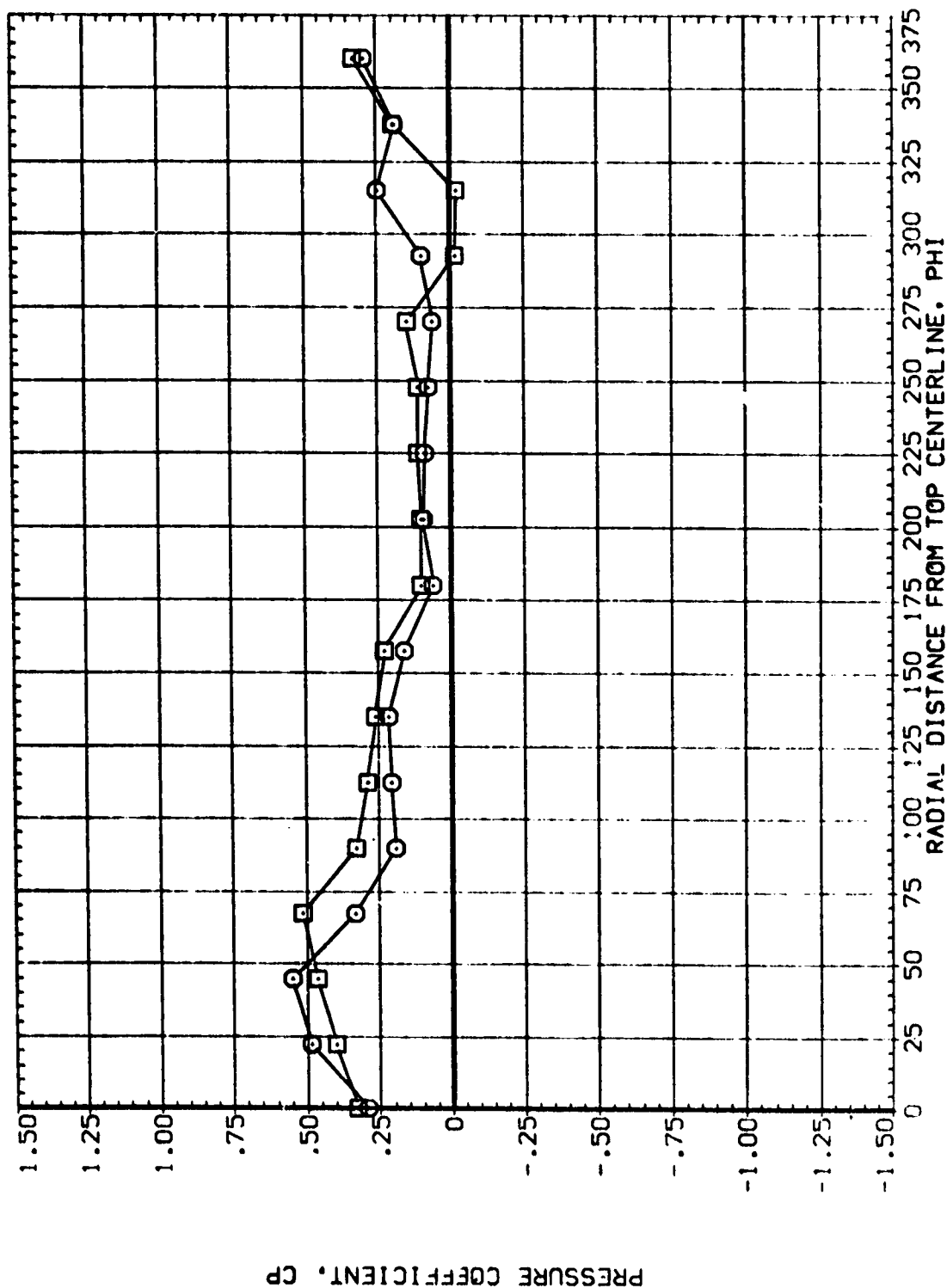
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	6.198	ALPHA	.000	CONFIG	90.000
○	.549	-8.000	3.500	LREF	5.313	DELTA Z	.140 <th>RUDER</th> <td>.000</td>	RUDER	.000
□	.657			BREF	5.313	X-SRB	.000 <th>ORBIT</th> <td>.500</td>	ORBIT	.500
◇	.765			YREF	2.549				
△	.883			ZREF	.972				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

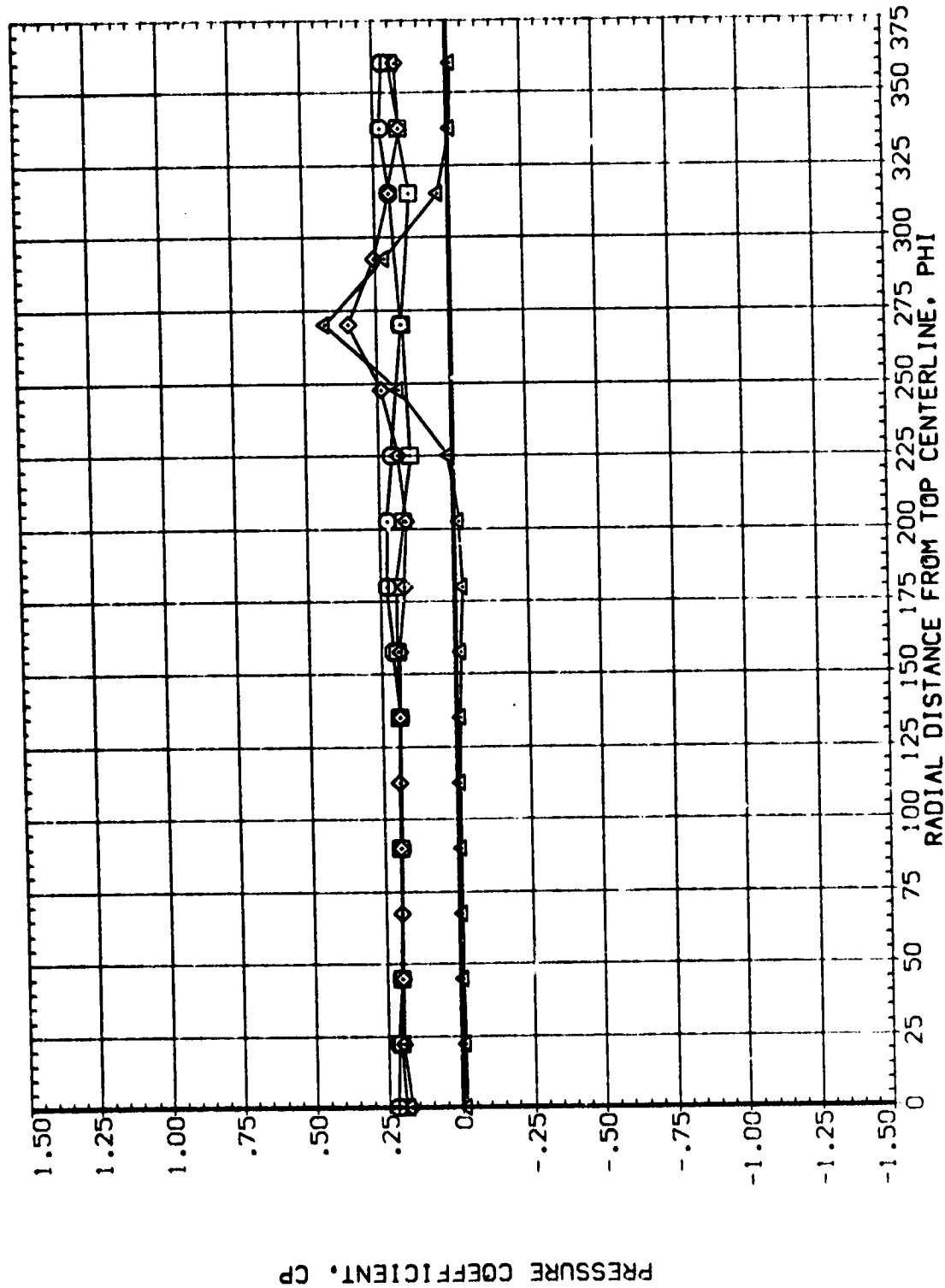
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.912	-8.000	3.500	SREF 6.198	CONF IG 90.000
□	.955			LREF 5.313	DELTA Z .000
				BREF 5.313	RUDDER .000
				XPRP 2.549	ORBITAL .500
				YPRP .572	
				ZPRP .000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

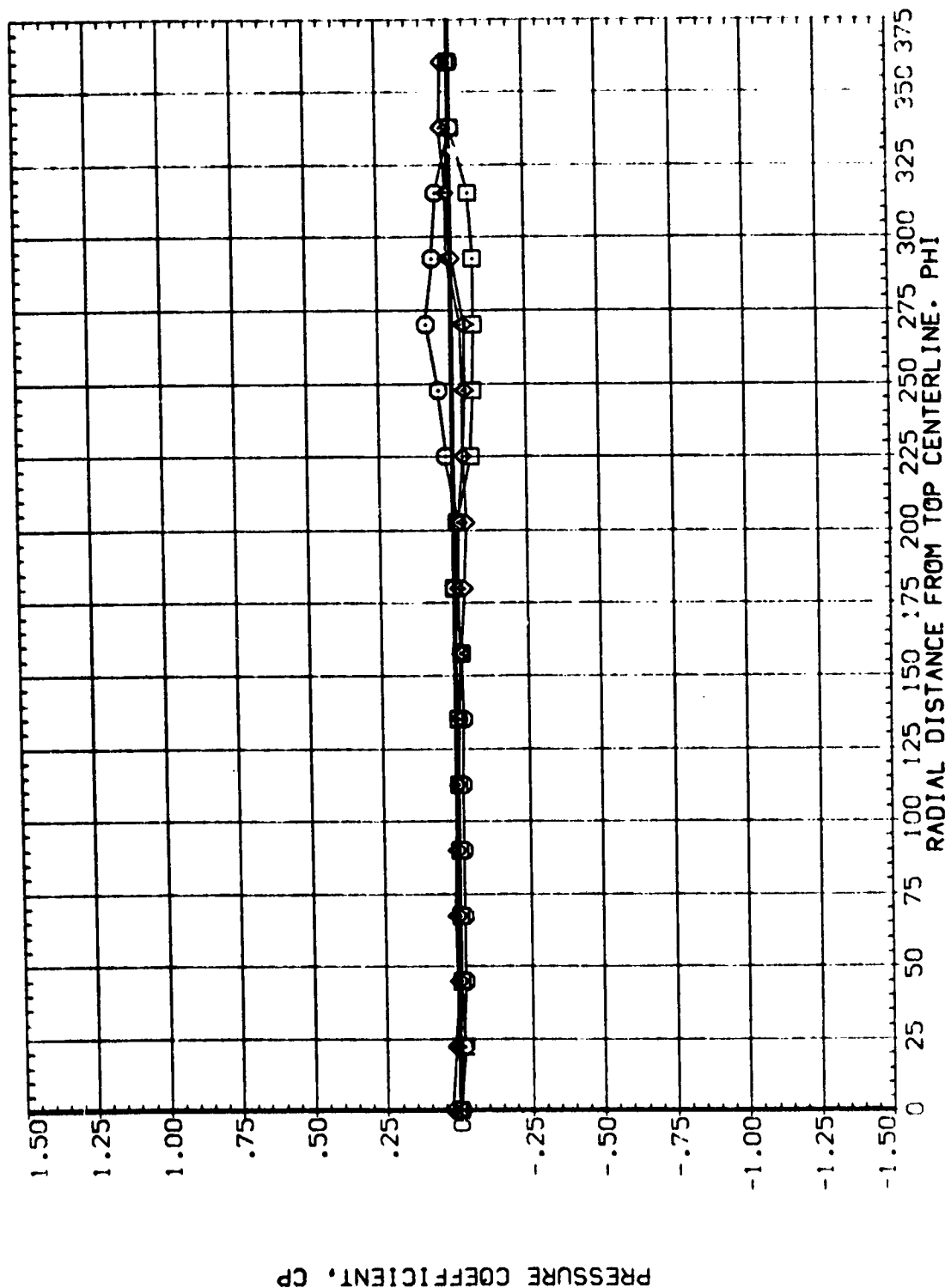
MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES	
				SREF	ALPHA	CONF IG	
○	.043	.000	3.500	6.198	DELTA Z	.000	90.000
◇	.072			5.313	X-SRB	.140	.000
□	.101			2.549		.000	.500
△	.116			.972			
				Z-PP			
				.000			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

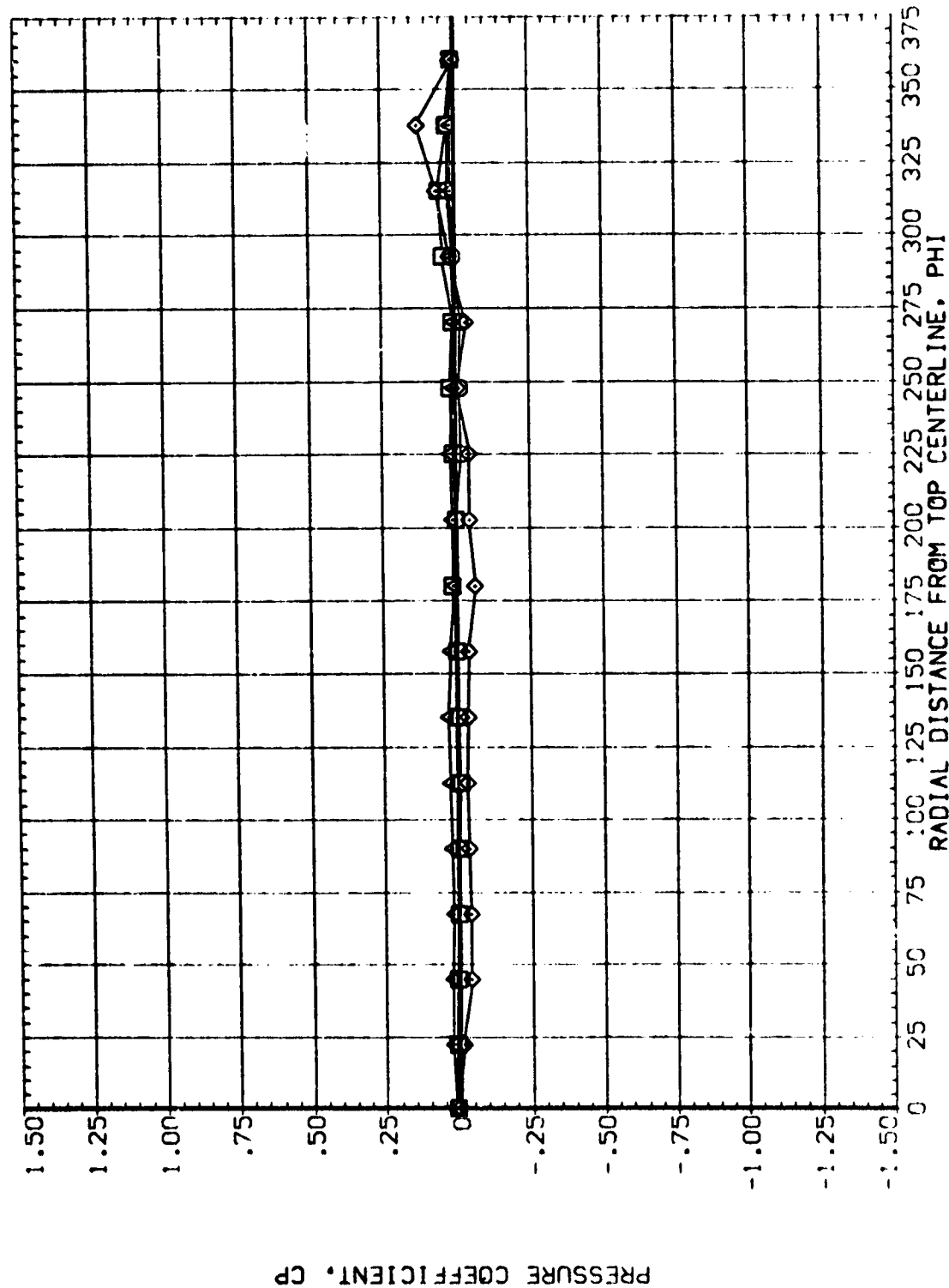
SAMPLE	X/LS	BETA	MACH	REFERENCE DATA	50. IN.	CONFIDENCE
○	.152	.000	3.500	SREF	5.198	ALPHA .000
□	.224			LREF	5.313	DELTA Z .140
□	.332			BREF	5.313	RUDDER .000
◇	.44C			XMRP	2.548	X-SRB .000
◇				YMRP	.972	
△				ZMRP	.000	



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 05

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

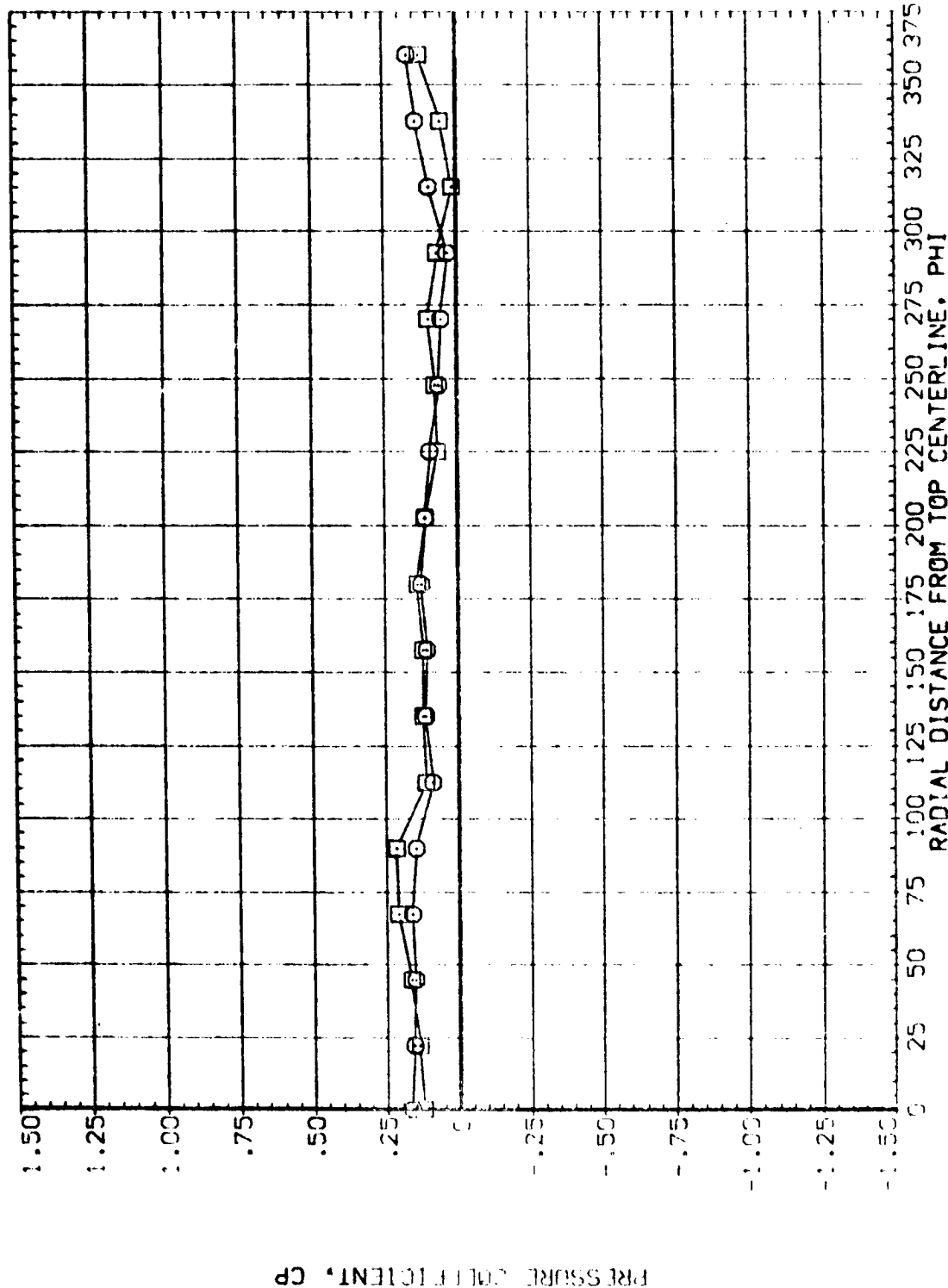
SYMBOL	X/L/S	BETA	MACH	REFERENCE DATA	50 IN.	ALPHA	PARAMETRIC VALUES
○	.549	.000	3.500	SREF 6.198	IN.	DELTA Z	CONFIG
□	.657			LREF 5.313	IN.	X-SRB	RUDDER
◇	.765			BREF 5.313	IN.		DRBINC
△	.883			XMRP 2.549	IN.		
				YMRP .972	IN.		
				ZMRP .000	IN.		



RACIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

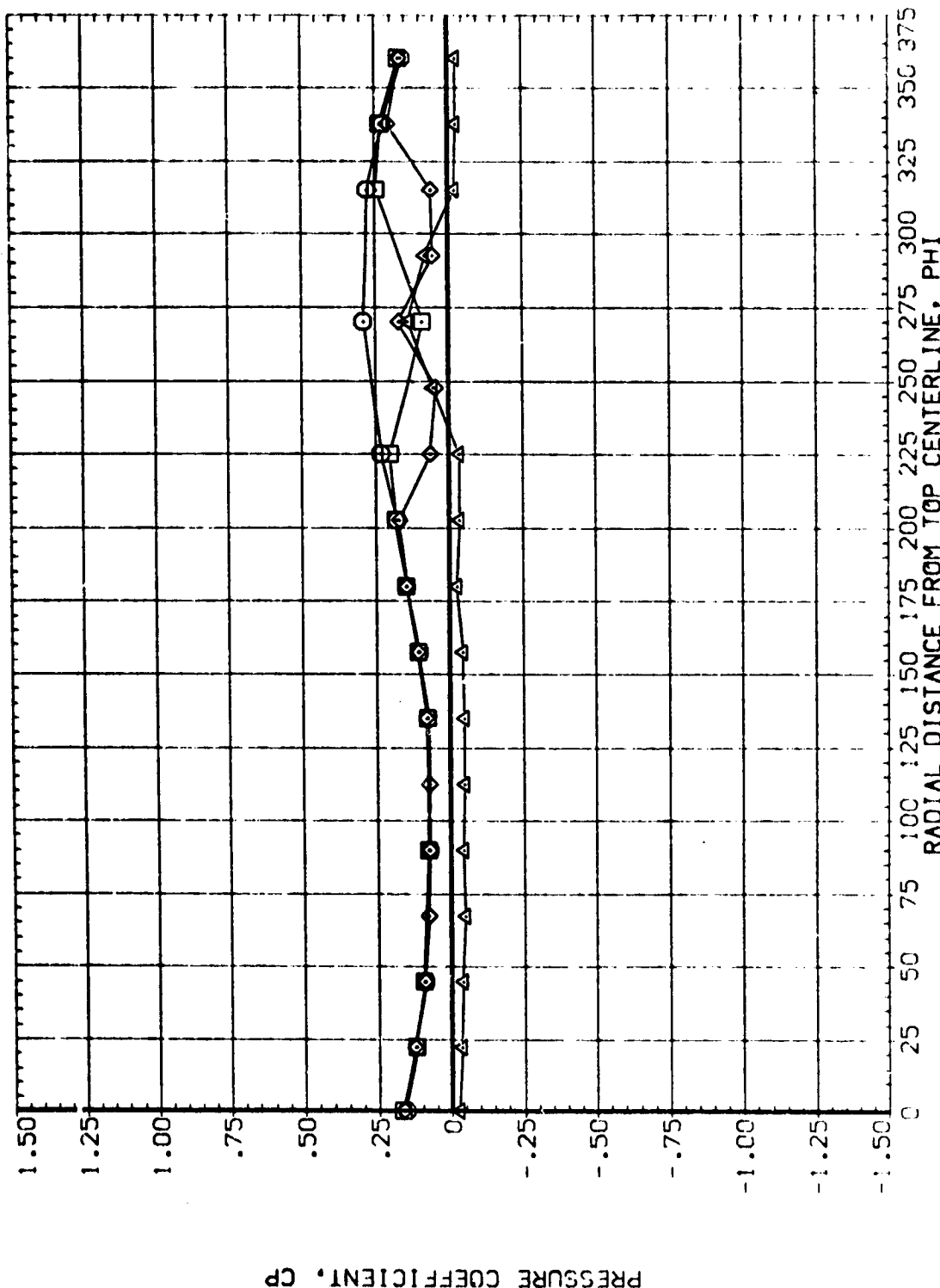
SYMBOL	X/L	BETA	MACH	REFERENCE DATA		PARAMETRIC VALUES			
				SREF	50 IN.	ALPHA	.000	CONF IG	90.000
	.912	.000	3.500	LREF	5.313	DELTA Z	.140	RUDDER	.000
	.955			BREF	5.313	X-SRB	.000	ORBIT INC	.500
				YMRP	2.549				
				ZMRP	.972				
					.000				



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A92506)

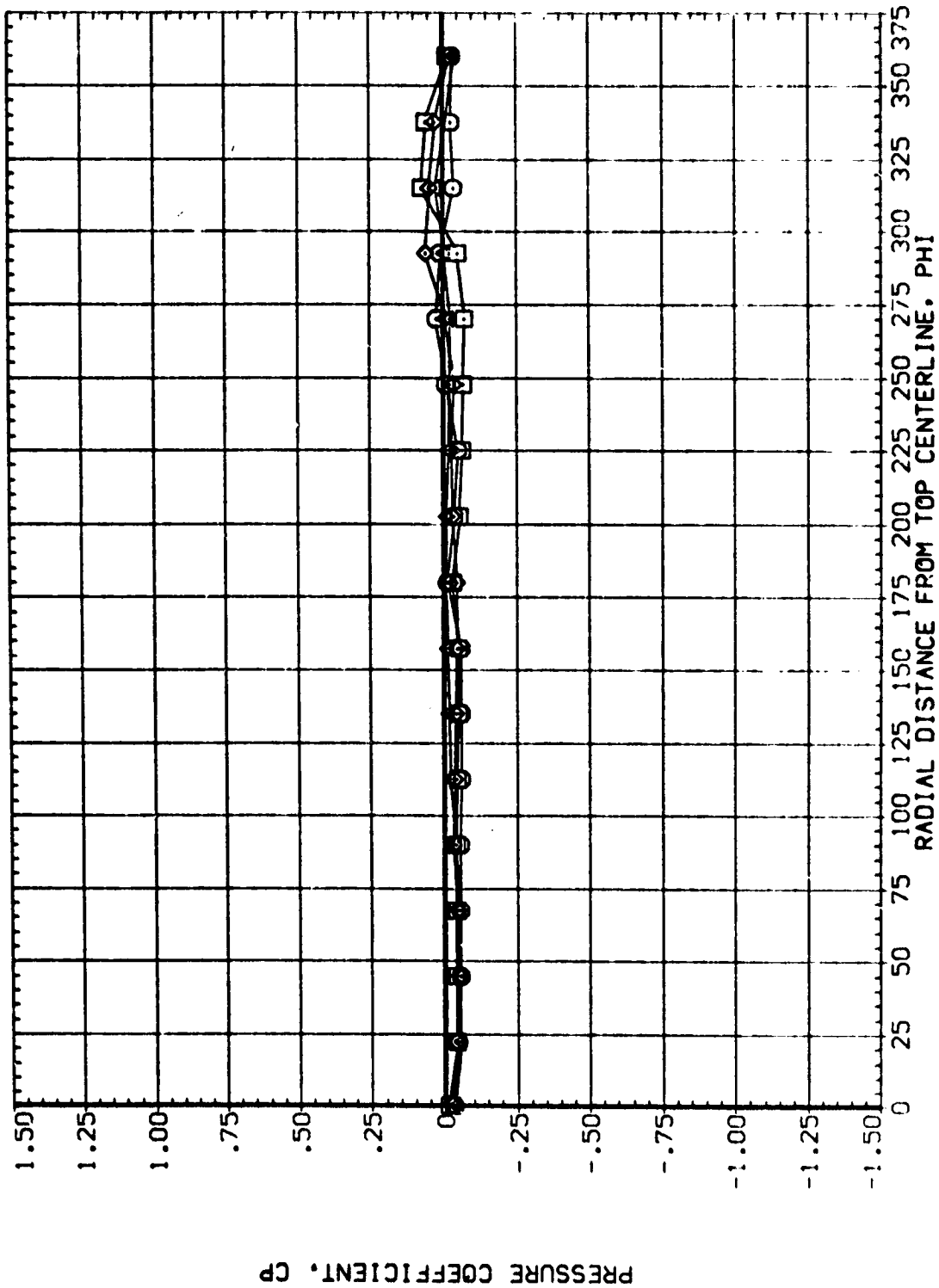
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES								
				SREF	LREF	BREF	XMRP	6.198	5.313	5.313	2.549	ALPHA	DELTAZ	X-SRB	CONFIG	RUDDER
○	.043	8.000	3.500										.000	.140	.000	.000
□	.072												.000	.000	.000	.000
◇	.101												.000	.000	.000	.000
△	.116												.000	.000	.000	.000



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 S3/2 03 U5 SRM BOOSTER (A82S06)

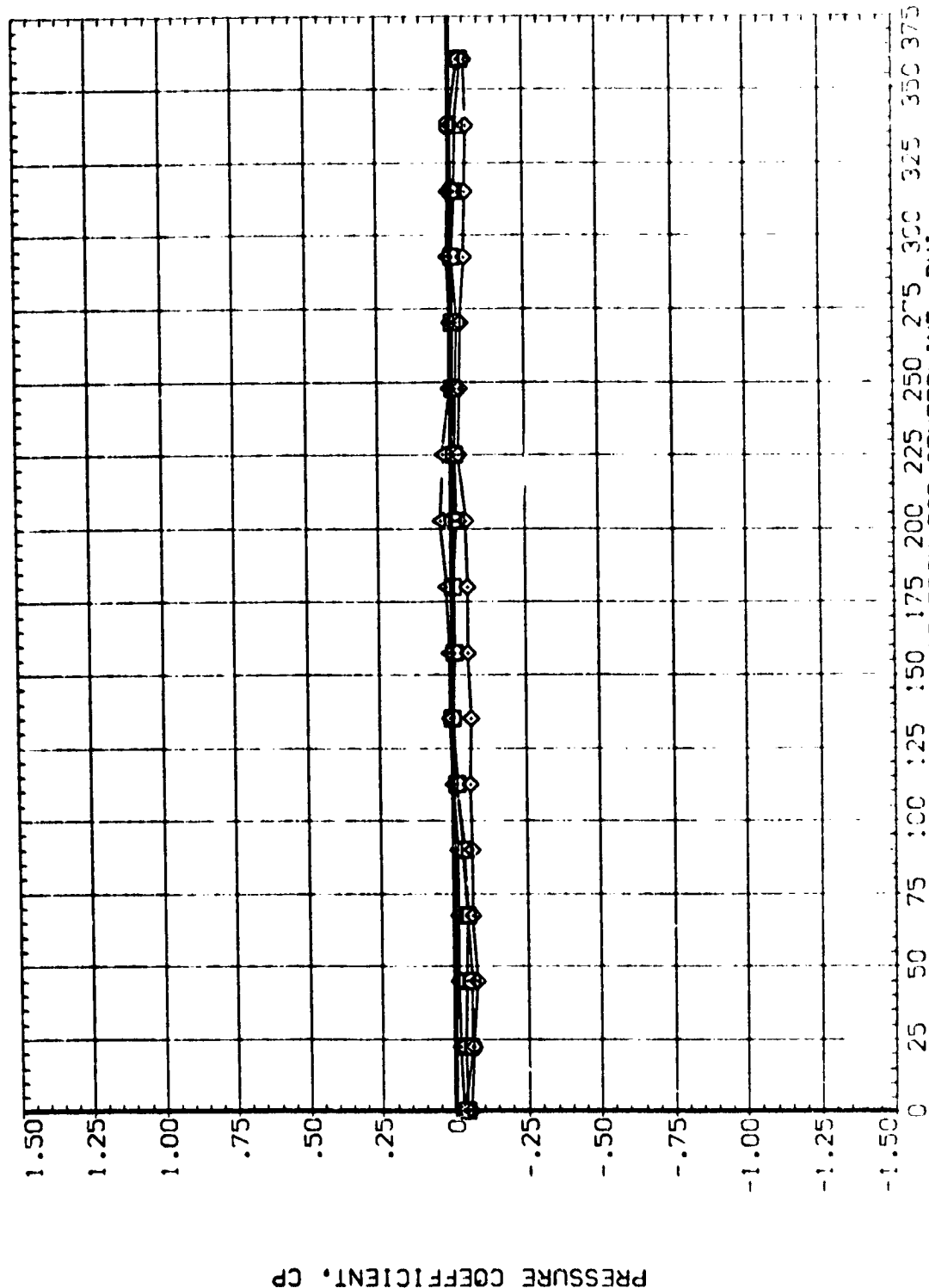
SYMBOL	X/LS	BETA	MACH	REFERENCE DATA			PARAMETRIC VALUES			
				SREF	LREF	WREF	ALPHA	CONF16	90.000	
○	.152	8.000	3.500	6.198	5.313	2.549	DELTAZ	.140	RUDER	.000
◇	.224			5.313	2.549	.972	X-SRB	.000	DRG1NC	.500
△	.302			.972	.000					
▽	.440									



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S06)

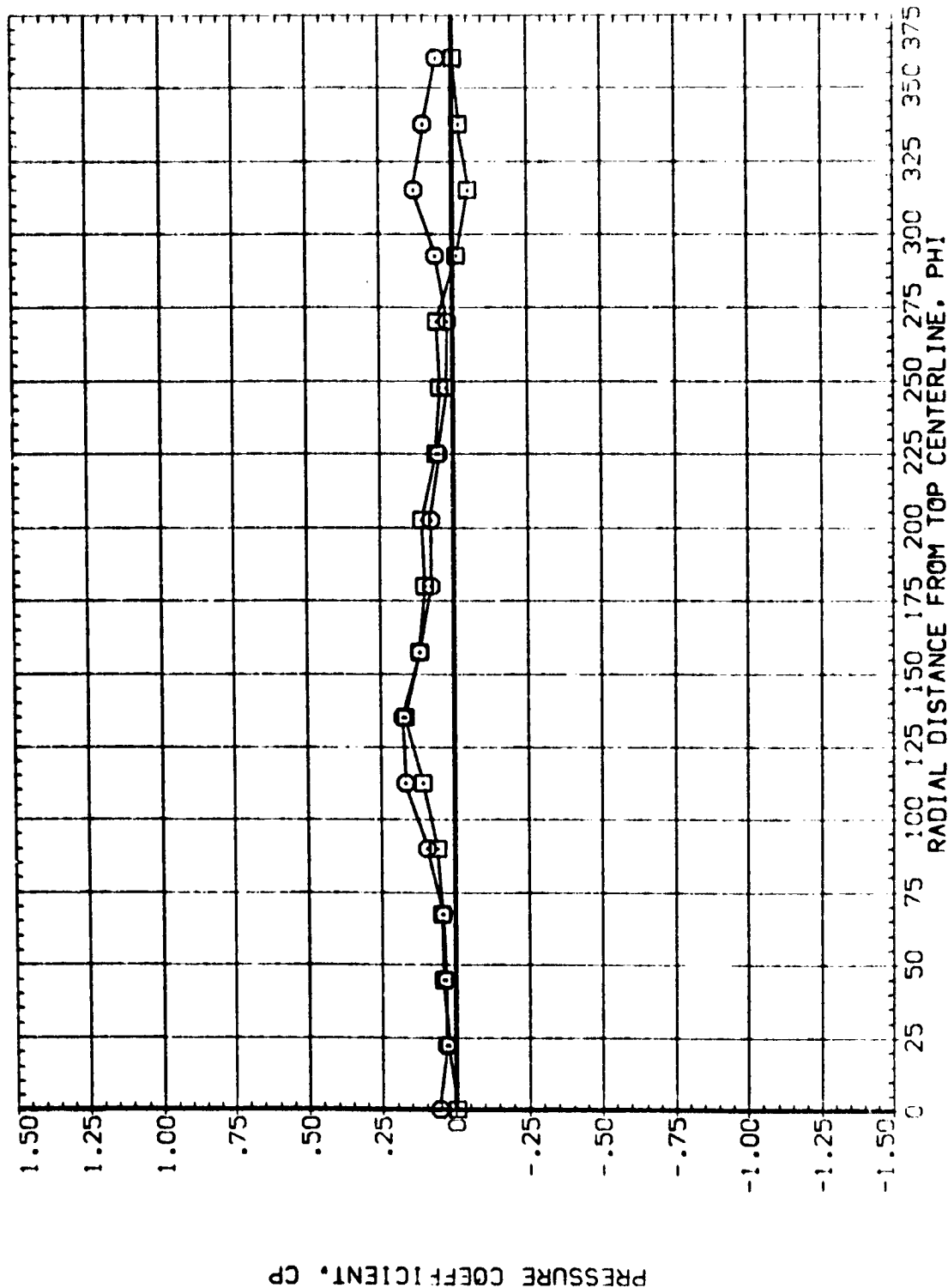
SIMBL	X/LS	BETA	MACH	REFERENCE DATA	PARAMETRIC VALUES
○	.549	8.000	3.500	SREF 6.198	.000 CON
□	.657			LREF 5.313	.140 RUDDER
◇	.765			BREF 5.313	.000 ORBINC
△	.883			XMRP 2.549	
				YMRP .972	
				ZMRP .000	
					90.000
					.000
					.500



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 S3/2 03 U5

MSFC 567(1A32F) T9 S3/2 03 U5 SRM BOOSTER (A82S06)

SYMBOL	X/L5	BETA	MACH	REFERENCE DATA				PARAMETRIC VALUES			
				SREF	LREF	BREF	XMRP	50. IN.	ALPHA	CONF IG	50.000
○	.912	8.000	3.500	5.198	5.313	5.313	2.549	IN.	DELTA Z	RUDDER	.000
□	.955						.972	IN.	X-SRB	ORBITAL	.500
							.000	IN.			



RADIAL PRESSURE DISTRIBUTION ON LEFT SRM BOOSTER T9 S3/2 03 U5